



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification <sup>7</sup> : <b>A61K 47/30, C08G 65/00</b></p>	<p><b>A1</b></p>	<p>(11) International Publication Number: <b>WO 00/48636</b></p> <p>(43) International Publication Date: <b>24 August 2000 (24.08.00)</b></p>
<p>(21) International Application Number: <b>PCT/IB00/00167</b></p> <p>(22) International Filing Date: <b>16 February 2000 (16.02.00)</b></p> <p>(30) Priority Data: <b>311/99 18 February 1999 (18.02.99) CH</b></p> <p>(71) Applicant (for all designated States except US): <b>INPHARMA S.A. [CH/CH]; Via F. Borromini, 3, CH-6900 Lugano (CH).</b></p> <p>(72) Inventor; and (75) Inventor/Applicant (for US only): <b>FESTÖ, Norberto [CH/CH]; Via F. Borromini, 3, CH-6900 Lugano (CH).</b></p> <p>(74) Agent: <b>MASPOLI, René, A.; Patentanwaltsbureau R.A. Maspoli, Witikon-Zentrum, Postfach 191, CH-8053 Zürich (CH).</b></p>		<p>(81) Designated States: <b>CA, CN, JP, KR, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).</b></p> <p><b>Published</b> <i>With international search report.</i></p>
<p>(54) Title: <b>PHARMACEUTICAL COMPOSITIONS CONTAINING COMPOUNDS WITH ACTIVITY FOR THE ENHANCEMENT OF ABSORPTION OF ACTIVE INGREDIENTS</b></p> <div style="text-align: center; margin: 20px 0;"> <math display="block">\text{CF}_3 - \left[ \begin{array}{c} \text{(O - CF - CF}_2\text{)}_n \text{ - O - (O - CF}_2\text{)}_m \text{ - O - CF}_3 \\   \\ \text{CF}_3 \end{array} \right] \quad (I)</math> </div> <p>(57) Abstract</p> <p>The new pharmaceutical compositions contain, apart from one or more active ingredient(s), between 0.01 and 60 % w/w of the compounds of formula (I) with n and m &gt; 18 and &lt; 46 and with molecular weights between ~600 and ~8000 for the enhancement of absorption of the active ingredient(s). Moreover, such compositions may contain also between 0.01 and 20 % w/w of Phosphatidylcholine.</p>		

**FOR THE PURPOSES OF INFORMATION ONLY**

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece	ML	Mali	TR	Turkey
BG	Bulgaria	HU	Hungary	MN	Mongolia	TT	Trinidad and Tobago
DJ	Benin	IE	Ireland	MR	Mauritania	UA	Ukraine
BR	Brazil	IL	Israel	MW	Malawi	UG	Uganda
BY	Belarus	IS	Iceland	MX	Mexico	US	United States of America
CA	Canada	IT	Italy	NE	Niger	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NL	Netherlands	VN	Viet Nam
CG	Congo	KE	Kenya	NO	Norway	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NZ	New Zealand	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	PL	Poland		
CM	Cameroon	KR	Republic of Korea	PT	Portugal		
CN	China	KZ	Kazakhstan	RO	Romania		
CU	Cuba	LC	Saint Lucia	RU	Russian Federation		
CZ	Czech Republic	LI	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						

**BEST AVAILABLE COPY**

PHARMACEUTICAL COMPOSITIONS CONTAINING COMPOUNDS  
WITH ACTIVITY FOR THE ENHANCEMENT OF ABSORPTION OF  
ACTIVE INGREDIENTS

---

- 5 The invention described herein refers to pharmaceutical compositions, to the use of compounds as agents with activity for the enhancement of absorption of active ingredients and to specific compounds, all according to the general sections of claims 1, 2, 5, 6 and 10 hereinafter.
- The problems related to percutaneous absorption of active ingredients in
- 10 topical and transdermal pharmaceutical presentations (drug delivery systems) is known and has been the subject matter of patents [1].
- Percutaneous absorption: mechanisms-methodology-drug delivery, 2 Ed., Brouhaugh Maibach, MARCEL DEKKER INC.
- Among the most significant examples reported in scientific literature it is
- 15 possible to mention the enhancing activity of decylmethylsulfoxide in increasing percutaneous absorption of idoxuridine [2] Touitou, E. (1988), Int. J. Pharm. 43:1. The effect of dodecylazacycloheptan-2-one (Laurocapram, Azone) in enhancing absorption of various molecules was investigated by Stoughton [3] Stoughton, R. B. (1982), Arch. Dermatol.
- 20 118: 474 and by Sugibayashi [4] Sugibayashi, K., Hosoya, K. Morimoto, Y., and Higuchi, W. I. (1985), J. Pharm. Pharmacol. 37: 578.
- Substances made available on the market and initially used in fields other than the pharmaceutical sector, subsequently proved to be of remarkable

importance also for the pharmaceutical industry. Among these, we can find the Perfluoropolyether class of compounds (PFPE) [5] obtained by polymerization of hexafluoropropene with oxygen activated by UV radiation and subsequent treatment to obtain a cosmetic product [6] as an  
5 excipient for preparations used in the manufacture of products with a barrier effect [7].

#### SUMMARY OF THE INVENTION

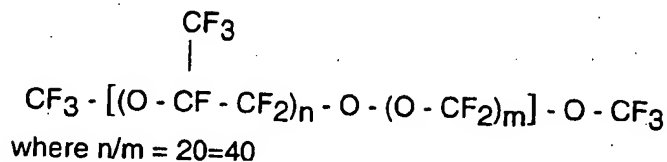
The following invention consists in the use of PFPE to enhance absorption  
10 of pharmacologically active ingredients in topical pharmaceutical presentations and/or in transdermal formulations (drug delivery systems) containing mixtures of at least one active ingredient for the enhancement of absorption.

These compounds, if included in pharmaceutical presentations containing  
15 an association or at least one active ingredient, can modify the permeating capacity of the active ingredients through the skin, demonstrating a surprising and unexpected capacity to promote the penetration of the active ingredient.

In accordance with the first aspect of the invention, inclusion of a quantity  
20 of PFPE may be applied in traditional topical formulations such as, for example, but not limited to: creams, liquid emulsions, ointments, lotions, microemulsions, foams, gels, aspersion powders; and in transdermal formulations (drug delivery systems).



The term PFPE means molecules with a chemical structure



with molecular weights between 650 and 6250,

C.A.S. name: 1-Propene,1,1,2,3,3,3-hexafluoro-,oxidized and polymerized

C.A.S. number: 69991-67-9

Surprisingly, it was found that inclusion of a quantity of PFPE at

concentrations between 0.01% w/w and 60% w/w, in topical and/or transdermal (drug delivery systems) formulations, increases the percutaneous absorption of active ingredients by over 5-20 times their normal value, thus enabling improved absorption and optimization of their systemic effects through suitable pharmaceutical presentations.

#### DETAILED DESCRIPTION OF THE INVENTION

Comprehension of the invention is facilitated by the description of a number of assessments on the percutaneous absorption of certain formulations containing different active ingredients.

**Example A** illustrates the increase in permeability by approx. 10 times of a formulation containing Troxerutine and 3% PFPE as compared with that of a reference formulation.

**Example B** demonstrates the correlation between PFPE concentration and percutaneous absorption of formulations containing Nimesulide and increasing concentrations of PFPE.

**Example C** contains a comparison of the permeation speed of formulations containing non-steroidal antiinflammatory drugs versus formulations to which 3% PFPE has been added.

**Example A**

Verification of the percutaneous absorption of TROXERUTINE through pig skin using various formulations containing different types of absorption enhancers. In particular, this involved investigation of the release of TROXERUTINE from formulations containing PFPE, Nor-chenodeoxycolic acid and transcutool, versus a reference formulation.

Experimental section:

Apparatus: Franz Cells (manufacturer: Crown Glass Company Inc., New Jersey)

Franz diffusion cells are one of the main systems used for the investigation of ex-vivo permeation. This study involved the use of three cells each with a 9 mm diameter donor compartment corresponding with a diffusion area of 64 mm<sup>2</sup>. The receptor compartment has a capacity of 4.8 ml. The receptor chamber is heated to 37°C±1.

Test system: HPLC, Gilson, Mod. 305 with Spectra Physics detector, Spectra 200 Mod.

Formulations:

	A	B	C	D
Troloxerutine	3	3	3	3
Phosphatidylcholine	7	7	7	7
Tocopherol acetate	0.5	0.5	0.5	0.5
Sepigel 305	4	4	4	4
Methyl-p-hydroxybenzoate	0.15	0.15	0.15	0.15
Propyl-p-hydroxybenzoate	0.05	0.05	0.05	0.05
Phenoxyethanol	1	1	1	1
PFPE	3	-	-	-
Nor-chenodeoxycolic acid	-	0.4	-	-
Transcutol	-	-	15	-
Purified water q.s. to:	100	100	100	100

Preparation of the skin

The pig skin samples were taken from the internal ear of pigs that had just been sacrificed.

- 5 The samples were soaked in buffer solution at pH 7.4 for 24 hours at 4°C.

The sections of connective tissue and muscle were subsequently removed from the skin and the sample was cut into 2x2 cm squares.

The skin samples were stored at -20°C.

HPLC Operating Test Conditions:

- 10 Column: KP 18, 5 micron Licrospher 100
- Mobile phase: 20% acetonitrile 80% phosphate buffer at pH 6.6
- Flow: 1 ml/min
- Pressure: 1.52 Kpsi
- Wavelength: 245 nm
- 15 RT: 8.51

Procedure

The pig skin is placed between the donor compartment and the receptor chamber with the external skin surface facing the upper compartment. The test formulation is placed inside the donor compartment.

- 5 The receptor chamber is filled with a phosphate buffer solution at pH 7.4 and at intervals between 0.5 and 8 hours, 2 ml of solution are drawn from this chamber. When each sample is taken fresh buffer solution heated to 37°C is added in order to replenish the initial volume. The samples are then tested using a HPLC method. Each test is repeated three times.

10 Results

The results on percutaneous absorption are summarized in the table below

TIME (h)	mcg of permeated Troxerutine			
	A	B	C	D
0.5	18.89	13.26	8.29	13.7
1	77.48	43.04	17.17	50.51
2	345.29	102.6	58.19	232.84
4	1,289.11	390.80	229.46	636.68
6	3,999.07	614.95	530	1,053.09
8	12,042	1,090	714.6	1,434.90

Conclusions

- Formulations B, C, D did not show any difference in absorption, whilst at the eighth hour, formulation A containing PFPE, demonstrated a degree of absorption that was about 9-10 times greater than that of reference formulation D.

**Example B**

Verification of the absorption of NIMESULIDE through pig skin, using Franz cells, as described in Example A, using various formulations containing different concentrations of PFPE versus a reference formulation.

**Formulations:**

	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
Nimesulide	5	5	5	5
Lactic acid	2	2	2	2
Ethyl alcohol 95°	4	4	4	4
Glycerine	5	5	5	5
PFPE	-	1.5	3	4.5
Sepigel 305	4	4	4	4
Phosphatidylcholine	2	2	2	2
Methyl-p-hydroxybenzoate	0.15	0.15	0.15	0.15
Propyl-p-hydroxybenzoate	0.05	0.05	0.05	0.05
Purified water q.s. to:	100%	100%	100%	100%

**Results**

The results on permeability are summarized in the following table

<b>TIME (h)</b>	<b>mcg of permeated Nimesulide</b>			
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
0.5	0.15	0.16	0.59	0.83
1	0.27	0.39	0.59	1.21
2	0.35	0.72	0.97	1.70
4	0.86	1.14	1.24	1.91
6	1.15	1.54	2.21	2.38
8	1.54	2.24	3.21	3.73
24	3.53	6.00	9.71	9.86

Conclusions

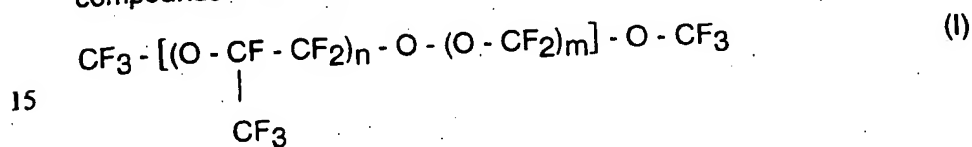
Formulations B, C, D demonstrated an increasing capacity to permeate the skin; this permeating capacity is correlated with the increasing percentage content of PFPE.

5 **Example C**

Verification of absorption after 8 hours, of topical formulations containing antiinflammatory drugs versus formulations which also contain 3% PFPE, through pig skin, using Franz cells, as described in Example A.

Active ingredient contained in the topical formulation	mcg of permeated active ingredient after 8 hours	
	Base formula	Base formula+3% PFPE
Ketoprofen	0.64	5.33
Diclofenac Sodium	1.82	8.66
Ibuprofen	0.21	6.84
Etodolic Acid	0.53	9.93
Piroxicam	1.19	7.94

- 10 The invention is characterized by the claims at the end of this description. According to the invention the pharmaceutical compositions contain, apart from one or more active ingredient(s), between 0.01 and 60% w/w of the compounds of formula I

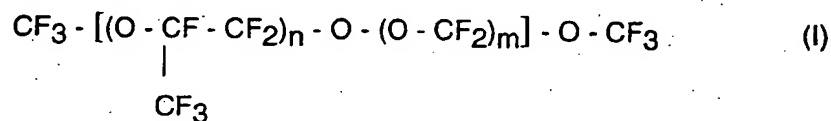


with n and m > 18 and < 46 and with molecular weights between ~600 and ~8000, as compounds with activity for the enhancement of active ingredient absorption.

Such pharmaceutical compositions may also contain between 0.01 and 20% w/w of Phosphatidylcholine, the compositions preferred are those with 0.1 to 30% w/w of the compounds of formula I with n and m > 24 and < 36 and with molecular weights between 1000 and 4000 and with 0.1 to 10% w/w of Phosphatidylcholine.

They may also contain other compatible ingredients that are present in the form of creams, emulsions, ointments, lotions, foams, gels and transdermal formulations.

The invention also includes the use of the compounds of formula I



with n and m > 18 and < 46, preferably > 24 and < 36, and with molecular weights between ~600 and ~8000, preferably between 1000 and 4000, in pharmaceutical compositions for topical external or internal use for the enhancement of absorption of active ingredients through the derma, cutis, mucosa, rectum, vagina and urethra, with or without Phosphatidylcholine.

In particular, such use regards active ingredients that have anabolic, analgesic, androgenic, anesthetic, anorectic, anthelmintic, antiallergic, antiamebic, antiandrogenic, antianginal, antiarrhythmic,

antiartherosclerotic, antiarthritic and antirheumatic, antibacterial,  
anticholinergic, anticonvulsant, antidepressant, antidiabetic, antidiarrheal,  
antidiuretic, antiestrogenic, antibiotic, antiglaucoma, antigonatropic,  
antihistaminic, antihyperlipoproteinemic, antihyperthyroid,  
5 antihypertensive, anti-inflammatory, antimalarial, antimigraine,  
antinauseant, antineoplastic, antiparkinsonian, antiprotozoal, antipruritic,  
antipsoriatic, antipsychotic, antipyretic, antiseptic, antispasmodic,  
antithrombotic, antitussive, antiulcer, antiviral, anxiolytic, bronchodilator,  
CA-blocking or regulating, cardiotonic, stimulating, decongestant, diuretic  
10 or enzymatic effect.

More specifically, use of this invention regards Troxerutine and Nimesulide  
and, also

- 1)  $\alpha$ -Adrenergic agonists such as Adrafinil. Adrenolone. Amidephrine.  
Apraclonidine. Budralazine. Clonidine. Cyclopentamine. Detomidine.  
15 Dimetofrine. Dipivefrin. Ephedrine. Epinephrine. Fenoxazoline.  
Guanabenz. Guanfacine. Hydroxyamphetamine. Ibopamine. Indanazoline.  
Isometheptene. Mephentermine. Metaraminol. Methoxamine  
Hydrochloride. Methylhexanamine. Metizolene. Midodrine. Naphazoline.  
Norepinephrine. Norfenefrine. Octodrine. Octopamine. Oxymetazoline.  
20 Phenylephrine Hydrochloride. Phenylpropanolamine Hydrochloride.  
Phenylpropylmethylamine. Pholedrine. Propylhexedrine.  
Pseudoephedrine. Rilmnidine. Synephrine. Tetrahydrozoline.  
Tiamenidine. Tramazoline. Tuaminoheptane. Tymazoline. Tyramine and



Xylometazoline.

**2)  $\beta$ -Adrenergic agonists such as** Albuterol. Bambuterol. Bitolterol. Carbuterol. Clenbuterol. Clorprenaline. Denopamine. Dioxethedrine. Dopexamine. Ephedrine. Epinephrine. Etafedrine. Ethylnorepinephrine.

5 Fenoterol. Formoterol. Hexoprenaline. Ibopamine. Isoetharine. Isoproterenol. Mabuterol. Metaproterenol. Methoxyphenamine. Oxyfedrine. Pirbuterol. Prenalterol. Procaterol. Protokylol. Reproterol. Rimiterol. Ritodrine. Soterenol. Terbuterol and Xamoterol.

**3)  $\alpha$ -Adrenergic blockers such as** Amosulalol. Arotinolol. Dapiprazole.

10 Doxazosin. Ergoloid Mesylates. Fenspiride. Indoramin. Labetalol. Nicergoline. Prazosin. Terazosin. Tolazoline. Trimazosin and Yohimbine.

**4)  $\beta$ -Adrenergic blockers such as** Acebutolol. Alprenolol. Amosulalol.

Arotinolol. Atenolol. Befunolol. Betaxolol. Bevantolol. Bisoprolol.

Bopindolol. Bucumolol. Bufetolol. Bufuralol. Bunitrolol. Bupranolol.

15 Butidine Hydrochloride. Butofilolol. Carazolol. Carteolol. Carvedilol.

Celiprolol. Cetamolol. Cloranolol. Dilevalol. Epanolol. Esmolol. Indenolol.

Labetalol. Levobunolol. Mepindolol. Metipranolol. Metoprolol. Moprolol.

Nadoxolol. Nifenalol. Nipradilol. Oxprenolol. Penbutolol. Pindolol.

Practolol. Pronethalol. Propranolol. Sotalol. Sulfinalol. Talinolol. Tertatolol.

20 Timolol. Toliprolol and Xibenolol.

**5) Alcohol deterrents such as** Calcium Cyanamide Citrated.

Disulfiram. Nadide and Nitrefazole.

**6) Aldose reductase inhibitors such as** Epalrestat. Ponalrestat.

Sorbinil and Tolrestat.

7) **Anabolics such as** Androisoxazole. Androstenediol. Bolandiol.

Bolasterone. Clostebol. Ethylestrenol. Formyldienolone. 4-Hydroxy-19-nortestosterone. Methandriol. Methenolone. Methyltrienolone. Nandrolone.

5 Nandrolone Decanoate. Nandrolone p-Hexyloxyphenylpropionate.

Nandrolone Phenpropionate. Norbolethone. Oxymesterone. Pizotyline.

Quinbolone. Stenbolone and Trenbolone.

8) **Analgesics (dental) such as** Chlorobutanol. Clove and Eugenol.

9) **Analgesics (narcotic) such as** Alfentanil. Allylprodine.

10 Alphaprodine. Anileridine. Benzylmorphine. Bezitramide. Buprenorphine.

Butorphanol. Clonitazene. Codeine. Codeine Methyl Bromide. Codeine

Phosphate. Codeine Sulfate. Desomorphine. Dextromoramide. Dezocine.

Diampromide. Dihydrocodeine. Dihydrocodeinone Enol Acetate.

Dihydromorphine. Dimenoxadol. Dimepheptanol. Dimethylthiambutene.

15 Dioxaphetyl Butyrate. Dipipanone. Eptazocine. Ethoheptazine.

Ethylmethylthiambutene. Ethylmorphine. Etonitazene. Fentanyl.

Hydrocodone. Hydromorphone. Hydroxypethidine. Isomethadone.

Ketobemidone. Levorphanol. Lofentanil. Meperidine. Meptazinol.

Metazocine. Methadone Hydrochloride. Metopon. Morphine. Morphine

20 Derivatives. Myrophine. Nalbuphine. Narceine. Nicomorphine.

Norlevorphanol. Normethadone. Normorphine. Norpipanone. Opium.

Oxycodone. Oxymorphone. Papaveretum. Pentazocine. Phenadoxone.

Phenazocine. Phenoperidine. Piminodine. Piritramide. Proheptazine.

Promedol. Properidine. Propiram. Propoxyphene. Sufentanil and Tilidine.

**10) Analgesics (non-narcotic) such as Acetaminophen.**

Acetaminosalol. Acetanilide. Acetylsalicylsalicylic Acid. Alclofenac.

Alminoprofen. Aloxiprin. Aluminum Bis (acetylsalicylate).

5 Aminochlorthenoxazin. 2-Amino-4-picoline. Aminopropylon. Aminopyrine.

Ammonium Salicylate. Antipyrine. Antipyrine Salicylate. Antrafenine.

Apazone. Aspirin. Benorylate. Benoxaprofen. Benzpiperylon.

Benzydamine. p-Bromoacetanilide. 5-Bromosalicylic Acid Acetate.

Bucetin. Bufexamac. Bumadizon. Butacetin. Calcium Acetylsalicylate.

10 Carbamazepine. Carbetidine. Carbiphen. Carsalam. Chloralantipyrine.

Chlorthenoxazin(e). Choline Salicylate. Cinchophen. Ciramadol.

Clometacin. Cropropamide. Crotethamide. Dexoxadrol. Difenamizole.

Diflunisal. Dihydroxyaluminum Acetylsalicylate. Dipyroceryl. Dipyrone.

Emorfazone. Enfenamic Acid. Epirizole. Etersalate. Ethenzamide.

15 Ethoxazene. Etodolac. Felbinac. Fenoprofen. Floctafenine. Flufenamic

Acid. Fluoresone. Flupirtine. Fluproquazone. Flurbiprofen. Fosfosal.

Gentisic Acid. Glafenine. Ibufenac. Imidazole Salicylate. Indomethacin.

Indoprofen. Isofezolac. Isoladol. Isonixin. Ketoprofen. Ketorolac. p-

Lactophenetide. Lefetamine. Loxoprofen. Lysine Acetylsalicylate.

20 Magnesium Acetylsalicylate. Methotrimprazine. Metofoline. Mioprofen.

Morazone. Morpholine Salicylate. Naproxen. Nefopam. Nifenazone.

5'Nitro-2'propoxyacetanilide. Parsalmide. Perisoxal. Phenacetin.

Phenazopyridine Hydrochloride. Phenocoll. Phenopyrazone. Phenyl

- Acetylsalicylate. Phenyl Salicylate. Phenylramidol. Pipebuzone. Piperylone.  
Prodilidine. Propacetamol. Propyphenazone. Proxazole. Quinine  
Salicylate. Ramifenazone. Rimazolium Metilsulfate. Salacetamide. Salicin.  
Salicylamide. Salicylamide O-Acetic Acid. Salicylsulfuric Acid. Salsalate.  
5 Salverine. Simetride. Sodium Salicylate. Sulfamipyrine. Suprofen.  
Talnidflumate. Tenoxicam. Terofenamate. Tetradrine. Tinoridine.  
Tolfenamic Acid. Tolpronine. Tramadol. Viminol. Xenbucin. and Zomepirac.  
**11) Androgens such as** Boldenone. Fluoxymesterone. Mestanolone.  
Mesterolone. Methandrostenolone. 17-Methyltestosterone.  
10 Methyltestosterone. 17 $\alpha$ -Methyltestosterone 3-Cyclopentyl Enol Ether.  
Norethandrolone. Normethandrone. Oxandrolone. Oxymesterone.  
Oxymetholone. Prasterone. Stanolone. Stanozolol. Testosterone.  
Testosterone 17-Chloral Hemiacetal. Testosterone 17 $\beta$ -Cypionate.  
Testosterone Enanthate. Testosterone Nicotinate. Testosterone Phenyl  
15 Acetate. Testosterone Propionate and Tiomesterone.  
**12) Anesthetics (Intravenous) such as** Acetamidoeugenol. Alfadolone  
Acetate. Alfaxalone. Ambucaine. Amolanone. Amylocaine Hydrochloride.  
Benoxinate. Betoxycaine. Biphenamine. Bupivacaine. Butacaine.  
Butamben. Butanilicaine. Butethamine. Buthalital Sodium. Butoxycaine.  
20 Carticaine. 2-Chloroprocaine Hydrochloride. Cocaethylene. Cocaine.  
Cyclomethycaine. Dibucaine Hydrochloride. Dimethisoquin. Dimethocaine.  
Diperodon Hydrochloride. Dyclonine. Ecgonidine. Ecgonine. Ethyl  
Aminobenzoate. Ethyl Chloride. Etidocaine. Etoxadrol.  $\beta$ -Eucaine.

- Euprocine. Fenalcomine. Fomocaine. Hexobarbital. Hexylcaine  
 Hydrochloride. Hydroxydione Sodium. Hydroxyprocaine.  
 Hydroxytetracaine. Isobutyl p-Aminobenzoate. Kentamine. Leucinocaine  
 Mesylate. Levoadrol. Lidocaine. Mepivacaine. Mepylcaine  
 5 Hydrochloride. Metabutoxycaine Hydrochloride. Methohexital Sodium.  
 Methyl Chloride. Midazolam. Myrtecaine. Naepaine. Octacaine.  
 Orthocaine. Oxethazine. Parethoxycaine. Phenacaine Hydrochloride.  
 Phencyclidine. Phenol. Piperocaine. Piridocaine. Polidocanol. Pramoxine.  
 Prilocaine. Procaine. Propanidid. Propanocaine. Proparacaine.  
 10 Propipocaine. Propofol. Propoxycaine Hydrochloride. Pseudococaine.  
 Pyrrocaine. Quinine Urea Hydrochloride. Risocaine. Salicyl Alcohol.  
 Tetracaine Hydrochloride. Thialbarbital. Thimylal. Thiobutabarbital.  
 Thiopental Sodium. Tolycaine. Trimecaine and Zolamine.  
**13) Anorectics such as** Aminorex. Amphetamine. Amphetoral. Amphetamine.  
 15 Benzphetamine. Chlorphentermine. Clobenzorex. Cloforex. Clortermine.  
 Cyclohexedrine. Dextroamphetamine Sulfate. Diethylpropion.  
 Diphenmethoxidine. N-Ethylamphetamine. Fenbutrazate. Fenfluramine.  
 Fenproporex. Furfurylmethylamphetamine. Levophacetoperate. Mazindol.  
 Mefenorex. Metamfetramone. Methamphetamine. Norpseudoephedrine.  
 20 Phendimetrazine. Phenmetrazine. Phenpentermine. Phenylpropanolamine  
 Hydrochloride and Picilorex.  
**14) Anthelmintics (Cestodes) such as** Arecoline. Aspidin. Aspidinol.  
 Dichlorophen(e). Embelin. Kosin. Napthalene. Niclosamide. Pellertierine.

Pellertierine Tannate and Quinacrine.

- 15) **Anthelmintics (Nematodes) such as** Alantolactone. Amoscanate. Ascaridole. Bephenium. Bitoscanate. Carbon Tetrachloride. Carvacrol. Cyclobendazole. Diethylcarbamazine. Diphenane. Dithiazanine Iodide. Dymanthine. Gentian Violet. 4-Hexylresorcinol. Kainic Acid. Mebendazole. 2-Naphthol. Oxantel. Papain. Piperazine. Piperazine Adipate. Piperazine Citrate. Piperazine Edetate Calcium. Piperazine Tartrate. Pyrantel. Pyrvinium Pamoate.  $\alpha$ -Santonin. Stilbazium Iodide. Tetrachloroethylene. Tetramisole. Thiabendazole. Thymol. Thymyl N-Isoamylcarbamate.
- 10 Triclofenol Piperazine and Urea Stibamine.
- 16) **Anthelmintics (Onchocerca) such as** Ivermectin and Suramin Sodium.
- 17) **Anthelmintics (Schistosoma) such as** Amoscanate. Amphotalide. Antimony Potassium Tartrate. Antimony Sodium Gluconate. Antimony Sodium Tartrate. Antimony Sodium Thioglycollate. Antimony Thioglycollamide. Becanthone. Hycanthone. Lucanthone Hydrochloride. Niridazole. Oxamniquine. Praziquantel. Stibocaptate. Stibophen and Urea Stibamine.
- 18) **Anthelmintics (Trematodes) such as** Anthiolimine and Tetrachloroethylene.
- 20 19) **Antiacne drugs such as** Algestone Acetophenide. Azelaic Acid. Benzoyl Peroxide. Cyoctol. Cyproterone. Motretinide. Resorcinol. Retinoic Acid and Tetroquinone.

- 20) Antiallergics such as** Amlexanox. Astemizole. Azelastine. Cromolyn. Fenpiprane. Histamine. Ibudilast. Nedocromil. Oxatomide. Pentigetide. Poison Ivy Extract. Poison Oak Extract. Poison Sumac Extract. Repirinast. Tranilast. Traxanox and Urushiol.
5. **21) Antiamebics such as** Arsthinol. Bialamicol. Carbarsone. Cephaeline. Chlorbetamide. Chloroquine. Chlorphenoxamide. Chlortetracycline. Dehydroemetine. Dibromopropamidine. Diloxanide. Diphetarsone. Emetine. Fumagillin. Glaucarubin. Glycobiarsol. 8-Hydroxy-7-iodo-5-quinolinesulfonic Acid. Iodochlorhydroxyquin. Iodoquinol.
10. Paromomycin. Phanquinone. Phenarsone Sulfoxylate. Polybenzarsol. Propamidine. Quinfamide. Secnidazole. Sulfarside. Teclozan. Tetracycline. Thiocarbamizine. Thiocarbarsone and Tinidazole.
- 22) Antiandrogens such as** Bifluranol. Cyoctol. Cyproterone. Delmadinone Acetate. Flutamide. Nilutamide and Oxendolone.
15. **23) Antianginals such as** Acebutolol. Alprenolol. Amiodarone. Amlodipine. Arotinolol. Atenolol. Bepridil. Bevantolol. Bucumolol. Bufetolol. Bufuralol. Bunitrolol. Bupranolol. Carozolol. Carteolol. Carvedilol Celiprolol. Cinepazet Maleate. Diltiazem. Epanolol. Felodipine. Gallopamil. Imolamine. Indenolol. Isosorbide Dinitrate. Isradipine. Limaprost.
20. Mepindolol. Metoprolol. Molsidomine. Nadolol. Nicardipine. Nifedipine. Nifenalol. Nilvadipine. Nipradilol. Nisoldipine. Nitroglycerin. Oxprenolol. Oxyfedrine. Ozagrel. Penbutolol. Pentaerythritol Tetranitrate. Pindolol. Pronethalol. Propranolol. Sotalol. Terodiline. Timolol. Toliprolol and

Verapamil.

**24) Antiarrhythmics such as** Acebutolol. Acecainide Adenosine.

Ajmaline. Alprenolol. Amiodarone. Amoproxan. Aprindine. Arotinolol.

Atenolol. Bevantolol. Bretylium Tosylate. Bucumolol. Bufetolol. Bunafine.

5 Bunitrolol. Bupranolol. Butidine Hydrochloride. Butobendine. Capobenic  
Acid. Carazolol. Carteolol. Cifenline. Cloranolol. Disopyramide. Encainide.  
Esmolol. Flecainide. Gallopamil. Hydroquinidine. Indecainide. Indenolol.

Ipratropium Bromide. Lidocaine. Lorajmine. Lorcainide. Meobentine.

Metipranolol. Mexiletine. Moricizine. Nadoxolol. Nifenalol. Oxprenolol.

10 Penbutolol. Pindolol. Pirmenol. Practolol. Prajmaline. Procainamide  
Hydrochloride. Pronethalol. Propafenone. Propranolol. Pyrinoline.  
Quinidine Sulfate. Quinidine. Sotalol. Talinolol. Timolol. Tocainide.  
Verapamil. Viquidil and Xibenolol.

**25) Antiarteriosclerotics such as** Pyridinol Carbamate.

15 **26) Antiarthritic/Antirheumatics such as** Allocupreide Sodium.

Auranofin. Aurothioglucose. Aurothioglycanide. Azathioprine. Calcium 3-

Aurothio-2-propanol-1-sulfonate. Chloroquine. Clobuzarit. Cuproxoline.

Diacerein. Glucosamine. Gold Sodium Thiomalate. Gold Sodium

Thiosulfate. Hydroxychloroquine. Kebuzone. Lobenzarit. Melittin.

20 Methotrexate. Myoral and Penicillamine.

**27) Antibacterial (antibiotic) drugs, including:**

*Aminoglycosides such as* Amikacin. Apramycin. Arbekacin.

Bambermycins. Butirosin. Dibekacin. Dihydrostreptomycin. Fortimicin(s).



Gentamicin. Isepamicin. Kanamycin. Micronomicin. Neomycin. Neomycin Undecylenate. Netilmicin. Paromomycin. Ribostamycin. Sisomicin. Spectinomycin. Streptomycin. Streptonicozid and Tobramycin;

*Amphenicols such as* Azidamfenicol. Chloramphenicol. Chloramphenicol

5 *Palmitate. Chloramphenicol Pantothenate. Florfenicol and Thiamphenicol;*

*Ansamycins such as* Rifamide. Rifampin. Rifamycin and Rifaximin.

**$\beta$ -Lactams including:**

*Carbapenems such as* Imipenem;

*Cephalosporins such as* Cefaclor. Cefadroxil. Cefamandole. Cefatrizine.

10 *Cefazedone. Cefazolin. Cefixime. Cefmenoxime. Cefodizime. Cefonicid.*

*Cefoperazone. Ceforanide. Cefotaxime. Cefotiam. Cefpimizole.*

*Cefpiramide. Cefpodoxime Proxetil. Cefroxadine. Cefsulodin. Ceftazidime.*

*Cefteram. Ceftezole. Ceftributen. Cefvizoxime. Ceftriaxone. Cefuroxime.*

*Cefuzonam. Cephacetrile Sodium. Cephalixin. Cephaloglycin.*

15 *Cephaloridie. Cephalosporin. Cephalothin. Cephapirin Sodium.*

*Cephradine and Pivcefalexin;*

*Cephameycins such as* Cefbuperazone. Cefmetazole. Cefminox. Cefotetan and Cefoxitin;

*Monobactams such as* Aztreonam. Carumonam and Tigemonam;

20 *Oxacephems such as* Flomoxef and Moxolactam;

*Penicillins such as* Amidinocillin. Amdinocillin Pivoxil. Amoxicillin.

*Ampicillin. Apalcillin. Aspoxicillin. Azidocillin. Azlocillin. Bacampicillin.*

*Benzylpenicillinic Acid. Benzylpenicillin Sodium. Carbenicillin. Carfecillin*

- Sodium. Carindacillin. Clometocillin. Cloxacillin. Cyclacillin. Dicloxacillin.  
Diphenicillin Sodium. Epicillin. Fenbenicillin. Floxacillin. Hetacillin.  
Lenampicillin. Metampicillin. Methicillin Sodium. Mezlocillin. Nafcillin  
Sodium. Oxacillin. Penamecillin. Penethamate Hydriodide. Penicillin G  
5 Benethamine. Penicillin G Benzathine. Penicillin G Benzhydrylamine.  
Penicillin G Calcium. Penicillin G Hydrabamine. Penicillin G Potassium.  
Penicillin G Procaine. Penicillin N. Penicillin O. Penicillin V. Penicillin V  
Benzathine. Penicillin V Hydrabamine. Penimepicycline. Phenethicillin  
Potassium. Piperacillin. Pivampicillin. Propicillin. Quinacillin. Sulbenicillin.  
10 Talampicillin. Temocillin and Ticarcillin;  
*Lincosamides such as* Clindamycin and Lincomycin;  
*Macrolides such as* Azithromycin. Carbomycin. Clarithromycin.  
Erythromycin. Erythromycin Acistrate. Erythromycin Estolate. Erythromycin  
Glucoheptonate. Erythromycin Lactobionate. Erythromycin Propionate.  
15 Erythromycin Stearate. Josamycin. Leucomycins. Midecamycins.  
Miokamycin. Oleandomycin. Primycin. Rokitamycin. Rosaramicin.  
Roxithromycin. Spiramycin and Troleandomycin;  
*Polypeptides such as* Amphomycin. Bacitracin. Capreomycin. Colistin.  
Enduracidin. Enviomycin. Fusafungine. Gramicidin(s). Gramicidin S.  
20 Mikamycin. Polymyxin. Polymyxin B-Methanesulfonic Acid. Pristinamycin.  
Ristocetin. Teicoplanin. Thiostrepton. Tuberactinomycin. Tyrocidine.  
Tyrothricin. Vancomycin. Viomycin. Viomycin Pantothenate. Virginiamycin  
and Zinc Bacitracin;

*Tetracyclines such as Apicycline. Chlortetracycline. Clomocycline. Demeclocycline. Doxycycline. Guamecycline. Lymecycline. Meclocycline. Methacycline. Minocycline. Oxytetracycline. Penimepicycline. Pipacycline. Rolitetracycline. Sancycline. Senociclin and Tetracycline; and*

5 *other antibiotics such as Cycloserine. Mupirocin and Tuberin.*

**28) Antibacterial drugs (synthetic), including:**

*2,4-Diaminopyrimidines such as Brodimoprim. Tetroxoprim and Trimethoprim;*

*Nitrofurans such as Furaltadone. Furazolium Chloride. Nifuradene.*

10 *Nifuratel. Nifurfoline. Nifurpirinol. Nifurpazine. Nifurtinol and Nitrofurantoin;*

*Quinolones and Analogs such as Amifloxacin. Cinoxacin. Ciprofloxacin.*

*Difloxacin. Enoxacin. Fleroxacin. Flumequine. Lomefloxacin. Miloxacin.*

15 *Nalidixic Acid. Norfloxacin. Ofloxacin. Oxolinic Acid. Pefloxacin. Pipemidic Acid. Piromidic Acid. Rosoxacin. Temafloxacin and Tosufloxacin;*

*Sulfonamides such as Acetyl Sulfamethoxypyrazine. Acetyl Sulfisoxazole.*

*Azosulfamide. Benzylsulfamide. Chloramine-B. Chloramine-T.*

*Dichloramine T. Formosulfathiazole. N<sup>2</sup>Formylsulfisomidine. N<sup>2</sup>-β-D-*

*Glucosylsulfanilamide. Mafenide. 4'-(Methylsulfamoyl) sulfanilamide. p-*

20 *Nitrosulfathiazole. Noprylsulfamide. Phthalylsulfacetamide.*

*Phthalylsulfathiazole. Salazosulfadimidine. Succinylsulfathiazole.*

*Sulfabenzamide. Sulfacetamide. Sulfachlorpyridazine. Sulfachrysoidine.*

*Sulfacytine. Sulfadiazine. Sulfadicramide. Sulfadimethoxine. Sulfadoxine.*

- Sulfaethidole. Sulfaguanidine. Sulfaguanol. Sulfalene. Sulfaloxic Acid.  
Sulfamerazine. Sulfameter. Sulfamethazine. Sulfamethizole.  
Sulfamethomidine. Sulfamethoxazole. Sulfamethoxypyridazine.  
Sulfametrole. Sulfamidochrysoidine. Sulfamoxole. Sulfanilamide.  
5 Sulfanilamidomethanesulfonic Acid Triethanolamine Salt. 4-  
Sulfanilamidosalicylic Acid. N<sup>4</sup>-Sulfanilylsulfanilamide. Sulfanilylurea. N-  
Sulfanilyl-3,4-xylamide. Sulfanitran. Sulfaperine. Sulfaphenazole.  
Sulfaproxyline. Sulfapyrazine. Sulfapyridine. Sulfasomizole.  
Sulfasymazine. Sulfathiazole. Sulfathiourea. Sulfatolamide. Sulfisomidine  
10 and Sulfisoxazole;  
*Sulfones such as* Acedapsone. Acediasulfone. Acetosulfone Sodium.  
Dapsone. Diathymosulfone. Glucosulfone Sodium. Solasulfone.  
Succisulfone. Sulfanilic Acid. p-Sulfanilylbenzylamine. p,p'-  
Sulfonyldianiline-N,N'digalactoside. Sulfoxone Sodium and Thiazolsulfone;  
15 and  
*others such as* Clofoctol. Hexedine. Methenamine. Methenamine  
Anhydromethylene-citrate. Methenamine Hippurate. Methenamine  
Mandelate. Methenamine Sulfosalicylate. Nitroxoline and Xibornol.  
**29) Anticholinergics such as** Adiphenine Hydrochloride. Alverine.  
20 Ambutonium Bromide. Aminopentamide. Amixetrine. Amprotropine  
Phosphate. Anisotropine Methylbromide. Apoatropine. Atropine. Atropine  
N-Oxide. Benactyzine. Benapryzine. Benzetimide. Benzilonium Bromide.  
Benztropine Mesylate. Bevonium Methyl Sulfate. Biperiden. Butropium

- Bromide. N-Butylscopolammonium Bromide. Buzepide. Camylofine.  
Caramiphen Hydrochloride. Chlorbenzoxamine. Chlorphenoxamine.  
Cimetropium Bromide. Clidinium Bromide. Cyclodrine. Cyclonium Iodide.  
Cycrimine Hydrochloride. Deptropine. Dexetimide. Dibutoline Sulfate.
- 5 Dicyclomine Hydrochloride. Diethazine. Difemerine. Dihexyverine.  
Diphepanil Methylsulfate. N-(1,2-Diphenylethyl)nicotinamide.  
Dipipraverine. Diponium Bromide. Emepronium Bromide. Endobenzylamine  
Bromide. Ethopropazine. Ethybenztropine. Ethylbenzhydramine.  
Etomidoline. Eucatropine. Fenpiverinium Bromide. Fentionium Bromide.
- 10 Flutropium Bromide. Glycopyrrolate. Heteronium Bromide. Hexocyclium  
Methyl Sulfate. Homatropine. Hyoscyamine. Ipratropium Bromide.  
Isopropamide. Levomepate. Meclozamine. Mepenzolate Bromide.  
Metcaraphen. Methantheline Bromide. Methixene. Methscopolamine  
Bromide. Octamylamine. Oxybutynin Chloride. Oxyphencyclimine.
- 15 Oxyphenonium Bromide. Pentapiperide. Penthienate Bromide.  
Phencarbamide. Phengutarimide. Pipenzolate Bromide. Piperidolate.  
Piperilate. Poldine Methylsulfate. Pridinol. Prifinium Bromide. Procyclidine.  
Propantheline Bromide. Propenzolate. Propyromazine. Scopolamine.  
Scopolamine N-Oxide. Stilonium Iodide. Stramonium. Sultroponium.
- 20 Thihexinol. Thiphenamil. Tiemonium Iodide. Timepidium Bromide.  
Tiquizium Bromide. Tridihexethyl Iodide. Trihexyphenidyl Hydrochloride.  
Tropacine. Tropenzile. Tropicamide. Trospium Chloride. Valethamate  
Bromide and Xenytropium Bromide.

- 30) Anticonvulsants such as** Acetylpheneturide. Albutoin. Aloxidone. Aminoglutethimide. 4-Amino-3-hydroxybutyric Acid. Atrolactamide. Beclamide. Buramate. Calcium Bromide. Carbamazepine. Cinromide. Clomethiazole. Clonazepam. Decimemide. Diethadione. Dimethadione. Doxenitoin. Eterobarb. Ethadione. Ethosuximide. Ethotoin. Fluoresone. 5-Hydroxytryptophan. Lamotrigine. Magnesium Bromide. Magnesium Sulfate. Mephenytoin. Mephobarbital. Metharbital. Methetoin. Methsuximide. 5-Methyl-5-(3-phenanthryl)hydantoin. 3-Methyl-5-phenylhydantoin. Narcobarbital. Nimetazepam. Nitrazepam. Paramethadione. Phenacemide. Phenetharbital. Pheneturide. Phenobarbital. Phenobarbital Sodium. Phensuximide. Phenylmethylbarbituric Acid. Phenytoin. Phethenylate Sodium. Potassium Bromide. Primidone. Progabide. Sodium Bromide. Solanum. Strontium Bromide. Suclofenide. Sulthiame. Tetrantoin. Trimethadione. Valproic Acid. Valpromide. Vigabatrin and Zonisamide.

**31) Antidepressants, including:**

- Bicyclics such as* Binedaline. Caroxazone. Citalopram. Dimethazan. Indalpine. Fencamine. Indeloxazine Hydrochloride. Nefopam. Nomifensine. Oxitriptan. Oxypertine. Paroxetine. Sertraline. Thiazesim. Trazodone and Zometapine; *Hydrazides/Hydrazines such as* Benmoxine. Iproclozide. Iproniazid. Isocarboxazid. Nialamide. Octamoxin and Phenelzine; *Pyrrolidones such as* Cotinine. Policyprine and Rolipram;

*Tetracyclics such as* Maprotiline. Metralindole. Mianserin and Oxaprotiline;

*Tricyclics such as* Adinazolam. Amitriptyline. Amitriptylinoxide. Amoxapine.

Butriptyline. Clomipramine. Demexiptiline. Desipramine. Dibenzepin.

Dimetacrine. Dothiepin. Doxepin. Fluacizine. Imipramine. Imipramine N-

5 Oxide. Iprindole. Lofepramine. Melitracen. Metapramine. Nortriptyline.

Noxiptilin. Opipramol. Pizotyline. Propizepine. Protriptyline. Quinupramine.

Tianeptine and Trimipramine; and

*others such as* Adrafinil. Benactyzine. Bupropion. Butacetin. Deanol.

Deanol Aceglumate. Deanol Acetamidobenzoate. Dioxadrol. Etoperidone.

10 Febarbamate. Femoxetine. Fenpentadiol. Fluoxetine. Fluvoxamine.

Hematoporphyrin. Hypercinin. Levophacetoperane. Medifoxamine.

Minaprine. Moclobemide. Oxaflorane. Piberaline. Prolintane.

Pyrissuccideanol. Rubidium Chloride. Sulpiride. Sultopride. Teniloxazine.

Thozalinone. Tofenacin. Toloxatone. Tranylcypromine. L-Tryptophan.

15 Viloxazine and Zimeldine.

**32) Antidiabetics, including:**

*Biguanides such as* Buformin. Metformin and Phenformin;

*Hormones such as* Glucagon. Insulin. Insulin Injection. Insulin Zinc

Suspension. Isophane Insulin Suspension. Protamine Zinc Insulin

20 Suspension and Zinc Insulin Crystals;

*Sulfonylurea derivatives such as* Acetohexamide. 1-Butyl-3-metanilylurea.

Carbutamide. Chlorpropamide. Glibornuride. Gliclazide. Glipizide.

Gliquidone. Glisoxepid. Glyburide. Glybuthiazol(e). Glybuzole.

Glyhexamide. Glymidine. Glypinamide. Phenbutamide. Tolazamide.

Tolbutamide and Tolcyclamide; and

*others such as* Acarbose. Calcium Mesoxalate and Miglitol.

**33) Antidiarrheal drugs such as** Acetyltannic Acid. Albumin Tannate.

5 **Alkofanone. Aluminum Salicylates-Basic. Catechin. Difenoxin.**

Diphenoxylate. Lidamidine. Loperamide. Mebiquine. Trillium and Uzarin.

**34) Antidiuretics such as** Desmopressin. Felypressin. Lypressin.

Ornipressin. Oxycinchophen. Pituitary-Posterior. Terlipressin and

Vasopressin.

10 **35) Antiestrogens such as** Delmadinone Acetate. Ethamoxytriphetol.

Tamoxifen and Toremifene.

**36) Antifungal drugs (antibiotics), including:**

*Polyenes such as* Amphotericin-B. Candicidin. Dermostatin. Filipin.

Fungichromin. Hachimycin. Hamycin. Lucensomycin. Mepartricin.

15 **Natamycin. Nystatin. Pecilocin and Perimycin; and**

*others such as* Azaserine. Griseofulvin. Oligomycins. Neomycin

Undecylenate. Pyrrolnitrin. Siccanin. Tubercidin and Viridin.

**37) Antifungal drugs (synthetic), including:**

*Allylamines such as* Naftifine and Terbinafine;

20 **Imidazoles such as** Bifonazole. Butoconazole. Chlordantoin.

Chlormidazole. Cloconazole. Clotrimazole. Econazole. Enilconazole.

Fenticonazole. Isoconazole. Ketoconazole. Miconazole. Omoconazole.

Oxiconazole Nitrate. Sulconazole and Tioconazole;



*Triazoles such as Fluconazole. Itraconazole and Terconazole; and others such as Acrisorcin. Amorolfine. Biphenamine.*

*Bromosalicylchloranilide. Buclosamide. Calcium Propionate.*

*Chlorphenesin. Ciclopirox. Cloxyquin. Coparaffinate. Diamthazole*

5 *Dihydrochloride. Exalamide. Flucytosine. Halethazole. Hexetidine.*

*Loflucarban. Nifuratel. Potassium Iodide. Propionic Acid. Pyrithione.*

*Salicylanilide. Sodium Propionate. Sulbentine. Tenonitroazole. Tolciclate.*

*Tolindate. Tolnaftate. Triacetin. Ujotion. Undecylenic Acid and Zinc Propionate.*

10 **38) Antiglaucoma drugs such as Acetazolamide. Befunolol. Betaxolol.**

*Bupranolol. Carteolol. Dapiprazole. Dichlorphenamide. Dipivefrin.*

*Epinephrine. Levobunolol. Methazolamide. Metipranolol. Pilocarpine.*

*Pindolol and Timolol.*

**39) Antigonadotropins such as Danazol. Gestrinone and**

15 **Paroxypropione.**

**40) Antigout drugs such as Allopurinol. Carprofen. Colchicine.**

**Probenecid and Sulfipyrazone.**

**41) Antihistamines, including:**

*Alkylamine derivatives such as Acrivastine. Bamipine. Brompheniramine.*

20 *Chlorpheniramine. Dimethindene. Metron S. Pheniramine. Pyrrobutamine.*

*Thenaldine. Tolpropamine and Triprolidine;*

*Aminoalkyl ethers such as Bietanautine. Bromodiphenhydramine.*

*Carbinoxamine. Clemastine. Diphenylpyraline. Doxylamine. Embramine.*

Medrylamine. Mephenhydramine. p-Methyldiphenhydramine.

Orphenadrine. Phenyltoloxamine. Piprinhydrinate and Setasine;

*Ethylenediamine derivatives such as Alloclamide. p-Bromtripelennamine.*

Chloropyramine. Chlorothen. Histapyrrodine. Methafurylene.

5 Methaphenilene. Methapyrilene. Phenbenzamine. Pyrilamine. Talastine.

Thenyldiamine. Thonzylamine Hydrochloride. Tripelennamine and  
Zolamine;

*Piperazines such as Cetirizine. Chlorcyclizine. Cinnarizine. Clocinizine and  
Hydroxyzine;*

10 *Tricyclics, including:*

*Phenothiazines such as Ahistan. Etymemazine. Hydroxyzine. N-  
Hydroxyethylpromethazine Chloride. Isopromethazine. Mequitazine.*

Promethazine. Pyrathiazine and Thiazinamium Methyl Sulfate; and  
*others such as Azatadine. Clobenzepam. Cyproheptadine. Deptropine.*

15 Isothipendyl. Loratadine and Prothipendyl; and

*other antihistamines such as Antazoline. Astemizole. Azelastine.*

Cetoxime. Clemizole. Clobenztropine. Diphenazoline. Diphenhydramine.

Mebhydroline. Phenindamine. Terfenadine and Tritoqualine.

**42) Antihyperlipoproteinemics, including:**

20 *Aryloxyalkanoic acid derivatives such as Beclobrate. Bezafibrate.*

Binifibrate. Ciprofibrate. Clinofibrate. Clofibrate. Clofibric Acid. Etofibrate.

Fenofibrate. Gemfibrozil. Nicofibrate. Pirifibrate. Ronifibrate. Simfibrate

and Theofibrate;

*Bile acid sequesterants such as Cholestyramine Resin, Colestipol and Polidexide;*

*HMG CoA reductase inhibitors such as Lovastatin, Pravastatin Sodium and Simvastatin;*

- 5 *Nicotinic acid derivatives* Aluminum Nicotinate, Acipimox, Niceritrol, Nicoclonate, Nicomol and Oxiniac Acid;

*Thyroid hormones and analogs such as Etiroxate, Thyropropic Acid and Thyroxine; and*

*others such as Acifran, Azacosterol, Benfluorex,  $\beta$ -Benzalbutyramide,*

- 10 Carnitine, Chondroitin Sulfate, Clomestron, Detaxtran, Dextran Sulfate Sodium, 5,8,11,14,17-Eicosapentaenoic Acid, Eritadenine, Furazabol, Meglutol, Melinamide, Mytatrienediol, Ornithine,  $\gamma$ -Oryzanol, Pantethine, Pentaerythritol Tetraacetate,  $\alpha$ -Phenylbutyramide, Pirozadil, Probucol,  $\alpha$ -Sitosterol, Sultosilic Acid, Piperazine Salt, Tiadenol, Triparanol and
- 15 Xenbucin.

**43) Antihypertensive drugs, including:**

*Arylethanolamine derivatives such as Amosulalol, Bufuralol, Dilevalol, Labetalol, Pronethalol, Sotalol and Sulfinalol;*

*Aryloxypropanolamine derivatives such as Acebutolol, Alprenolol,*

- 20 Arotinolol, Atenolol, Betaxolol, Bevantolol, Bisoprolol, Bopindolol, Bunitrolol, Bupranolol, Butofilolol, Carazolol, Carteolol, Carvedilol, Celiprolol, Cetamolol, Epanolol, Indenolol, Mepindolol, Metipranolol, Metoprolol, Moprolol, Nadolol, Nipradilol, Oxprenolol, Penbutolol, Pindolol,

Propranolol. Talinolol. Tertatolol. Timolol and Toliprolol;

*Benzothiadiazine derivatives such as* Althiazide. Bendroflumethiazide.

Benzthiazide. Benzylhydrochlorothiazide. Buthiazide. Chlorothiazide.

Chlorthalidone. Cyclopenthiazide. Cyclothiazide. Diazoxide. Epithiazide.

5 Ethiazide. Fenquizone. Hydrochlorothiazide. Hydroflumethiazide.

Methyclothiazide. Meticrane. Metolazone. Paraflutizide. Polythiazide.

Tetrachlormethiazide and Trichlormethiazide;

*N-Carboxyalkyl (petide/lactam) derivatives such as* Alacepril. Captopril.

Cilazapril. Delapril. Enalapril. Enalaprilat. Fosinopril. Lisinopril. Moveltipril.

10 Perindopril. Quinapril and Ramipril;

*Dihydropyridine derivatives such as* Amlodipine. Felodipine. Isradipine.

Nicardipine. Nifedipine. Nilvadipine. Nisoldipine and Nitrendipine;

*Guanidine derivatives such as* Bethanidine. Debrisoquin. Guanabenz.

Guanacine. Guanadrel. Guanazodine. Guanethidine. Guanfacine.

15 Guanochlor. Guanoxabenz and Guanozan;

*Hydrazines and phthalazines such as* Budralazine. Cadralazine.

Dihydralazine. Endralazine. Hydracarbazine. Hydralazine. Pheniprazine.

Pildralazine and Todralazine;

*Imidazole derivatives such as* Clonidine. Lofexidine. Phentolamine.

20 Tiamenidine and Tolonidine;

*Quaternary ammonium compounds* Azamethonium Bromide.

Chlorisondamine Chloride. Hexamethonium. Pentacynium Bis(methyl

sulfate). Pentamethonium Bromide. Pentolinium Tartate. Phenactopinium

Chloride and Trimethidinium Methosulfate;

*Quinazoline derivatives such as* Alfuzosin. Bunazosin Doxazosin.

Prazosin. Terazosin and Trimazosin;

*Reserpine derivatives such as* Bietaserpine. Deserpidine. Rescinnamine.

5 Reserpine and Syrosingopine;

*Sulfonamide derivatives such as* Ambuside. Clopamide. Furosemide.

Indapamide. Quinethazone. Tripamide and Xipamide; and

*others such as* Ajmaline.  $\gamma$ -Aminobutyric Acid. Bufeniode. Chlorthalidone.

Cicletanine. Ciclosidomine. Cryptenamine Tannates. Fenoldopam.

10 Flosequinan. Indoramin. Ketanserin. Mebutamate. Mecamylamine.

Methyldopa. Methyl 4-Pyridyl Ketone Thiosemicarbarzone. Metolazone.

Minoxidil. Muzolimine. Pargyline. Pempidine. Pinacidil. Piperoxan.

Primaperone. Protoveratrines. Raubasine. Rescimetol. Rilmeniden $\acute{e}$ .

Saralasin. Sodium Nitroprusside. Ticrynafen. Trimethaphan Camsylate.

15 Tyrosinase and Urapidil.

**44) Antihyperthyroids such as** 2-Amino-4-methylthiazole. 2-

Aminothiazole. Carbimazole. 3,5-Dibromo-L-tyrosine. 3,5-Diiodotyrosine.

Hinderin. Iodine. Iothiouracil. Methimazole. Methylthiouracil.

Propylthiouracil. Sodium Perchlorate. Thibenzazoline. Thiobarbital and 2-

20 Thiouracil.

**45) Antihypotensive drugs such as** Amezinium Methyl Sulfate.

Angiotensin Amide. Dimetofrine. Dopamine. Etifelmin. Etilefrin. Gepefrine.

Metaraminol. Midodrine. Norepinephrine. Pholedrine and Synephrine.

**46) Antihypothyroid drugs such as** Levothyroxine Sodium.

Liothyronine. Thyroid. Thyroidin. Thyroxine. Tiratricol and TSH.

**47) Anti-Inflammatory (non-steroidal) drugs, including:**

*Aminoarylcarboxylic acid derivatives such as* Entfenamic Acid.

5 Etofenamate. Flufenamic Acid. Isonixin. Meclofenamic Acid. Mefenamic Acid. Niflumic Acid. Talniflumate. Terofenamate and Tolfenamic Acid;

*Arylacetic acid derivatives such as* Acemetacin. Alclofenac. Amfenac.

Bufexamac. Cinmetacin. Clopirac. Diclofenac Sodium. Etodolac. Felbinac.

Fenclofenac. Fenclorac. Fenclozic Acid. Fentiazac. Glucametacin.

10 Ibufenac. Indomethacin. Isofezolac. Isoxepac. Lonazolac. Metiazinic Acid.

Oxametacine. Proglumetacin. Sulindac. Tiaramide. Tolmetin and

Zomepirac;

*Arylbutyric acid derivatives such as* Bumadizon. Butibufen. Fenbufen and Xenbucin;

15 *Arylcarboxylic acid such as* Clidanac. Ketorolac and Tinoridine;

*Arylpropionic acid derivatives such as* Alminoprofen. Benoxaprofen.

Bucloxic Acid. Carprofen. Fenoprofen. Flunoxaprofen. Flurbiprofen.

Ibuprofen. Ibuproxam. Indoprofen. Ketoprofen. Loxoprofen. Mioprofen.

Naproxen. Oxaprozin. Piketoprofen. Pirprofen. Pranoprofen. Protizinic

20 Acid. Suprofen and Tiaprofenic Acid;

*Pyrazoles such as* Difenamizole and Epirizole;

*Pyrazolones such as* Apazone. Benzpiperylon. Feprazone. Mofebutazone.

Morazone. Oxyphenbutazone. Phenylbutazone. Pipebuzone.

- Propyphenazone. Ramifenazone. Suxibuzone and Thiazolinobutazone;  
*Salicylic acid derivatives such as* Acetaminosalol. Aspirin. Benorylate.  
 Bromosaligenin. Calcium Acetylsalicylate. Diflunisal. Etersalate. Fendosal.  
 Gentisic Acid. Glycol Salicylate. Imidazole Salicylate. Lysine  
 5 Acetylsalicylate. Mesalamine. Morpholine Salicylate. 1-Naphthyl Salicylate.  
 Olsalazine. Parsalimide. Phenyl Acetylsalicylate. Phenyl Salicylate.  
 Salacetamide. Salicylamine O-Acetic Acid. Salicylsulfuric Acid. Salsalate  
 and Sulfasalazine;  
*Thiazinecarboxamides such as* Droxicam. Isoxicam. Piroxicam and  
 10 Tenoxicam; and  
*others such as*  $\epsilon$ -Acetamidocaproic Acid. S-Adenosylmethionine. 3-Amino-  
 4-hydroxybutyric Acid. Amixetrine. Bendazac. Benzydamine. Bucolome.  
 Difenpiramide. Ditazol. Emorfazone. Guaiazulene. Nabumetone.  
 Nimesulide. Orgotein. Oxaceprol. Paranyline. Perisoxal. Pifoxime.  
 15 Proquazone. Proxazole and Tenidap.  
**48) Antimalarial drugs such as** Acedapsone. Amodiaquin. Arteether.  
 Artemether. Artemisinin. Artesunate. Bebeerine. Berberine. Chirata.  
 Chlorguanide. Chloroquine. Chlorproguanil. Cinchona. Cinchonidine.  
 Cinchonine. Cycloguanil. Gentiopicroin. Halofantrine. Hydroxychloroquine.  
 20 Mefloquine Hydrochloride. 3-Methylarsacetin. Pamaquine. Plasmocid.  
 Primaquine. Pyrimethamine. Quinacrine. Quinine. Quinine Bisulfate.  
 Quinine Carbonate. Quinine Dihydrobromide. Quinine Dihydrochloride.  
 Quinine Ethylcarbonate. Quinine Formate. Quinine Gluconate. Quinine

Hydriodide. Quinine Hydrochloride. Quinine Salicylate. Quinine Sulfate.  
Quinine Tannate. Quinine Urea Hydrochloride. Quinocide. Quinoline and  
Sodium Arsenate Dibasic.

**49) Antimigraine drugs such as** Alpiopride. Dihydroergotamine.

5 Ergocornine. Ergocorninine. Ergocryptine. Ergot. Ergotamine.  
Flumedroxone acetate. Fonazine. Lisuride. Methysergid(e). Oxetorone.  
Pizotyline and Sumatriptan.

**50) Antinauseant drugs such as** Acetylleucine Monoethanolamine.

Alizapride. Benzquinamide. Bietanautine. Bromopride. Buclizine.  
10 Chlorpromazine. Clebopride. Cyclizine. Dimenhydrinate. Diphenidol.  
Domperidone. Granisetron. Meclizine. Methallatal. Metoclopramide.  
Metopimazine. Nabilone. Ondansetron. Oxypendyl. Pipamazine.  
Piprinhydrinate. Prochlorperazine. Scopolamine. Tetrahydrocannabinols.  
Thiethylperazine. Thioproperazine and Trimethobenzamide.

15 **51) Antineoplastic drugs, including:**

*Alkylating agents, including:*

*Alkyl sulfonates such as* Busulfan. Improsulfan and Pipo sulfan;

*Aziridines such as* Benzodepa. Carboquone. Meturedopa and Uredopa;

*Ethylenimines and methylmelamines such as* Altretamine.

20 *Triethylenemelamine. Triethylenephosphoramidate.*

*Triethylenethiophosphoramidate and Trimethylolmelamine;*

*Nitrogen mustards such as* Chlorambucil. Chlomaphazine.

*Cyclophosphamide. Estramustine. Ifosfamide. Mechlorethamine.*



Mechlorethamine Oxide Hydrochloride. Melphalan. Novembichin.

Phenesterine. Prednimustine. Trofosfamide and Uracil Mustard;

*Nitrosoureas such as* Carmustine. Chlorozotocin. Fotemustine. Lomustine.

Nimustine and Ranimustine; and

5. *others such as* Dacarbazine. Mannomustine. Mitobronitol. Mitolactol and Pipobroman;

*Antibiotics such as* Aclacinomycins. Actinomycin F<sub>1</sub>. Anthramycin.

Azaserine. Bleomycins. Cactinomycin. Carubicin. Carzinophilin.

Chromomycins. Dactinomycin. Daunorubicin. 6-Diazo-5-oxo-L-norleucine.

10. Doxorubicin. Epirubicin. Mitomycins. Mycophenolic Acid. Nogalamycin.

Olivomycins. Peplomycin. Plicamycin. Porfiromycin. Puromycin.

Streptonigrin. Streptozocin. Tubercidin. Ubenimex. Zinostatin and

Zorubicin;

*Antimetabolites, including:*

15. *Folic acid analogs such as* Denopterin. Methotrexate. Pteropterin and Trimetrexate;

*Purine analogs such as* Fludarabine. 6-Mercaptopurine. Thiamiprine and Thioguanine; and

*Pyrimidine analogs such as* Ancitabine. Azacitidine. 6-Azauridine.

20. Carmofur. Cytarabine. Doxifluridine. Enocitabine. Floxuridine. Fluorouracil and Tegafur;

*Enzymes such as* L-Asparaginase; and

*others such as* Aceglatone. Amsacrine. Bestrabucil. Bisantrone.

Carboplatin. Cisplatin. Defosfamide. Demecolcine. Diaziquone.  
 Eflornithine. Elliptinium Acetate. Etoglucid. Etoposide. Gallium Nitrate.  
 Hydroxyurea. Interferon- $\alpha$ . Interferon- $\beta$ . Interferon- $\gamma$ . Interleukin-2.  
 Lentinan. Lonidamine. Mitoguazone. Mitoxantrone. Mopidamol. Nitracrine.  
 5 Pentostatin. Phenamet. Pirarubicin. Podophyllinic Acid. 2-Ethylhydrazide.  
 Procarbazine. PSK®. Razoxane. Sizofiran. Spirogermanium. Taxol.  
 Teniposide. Tenuazonic Acid. Triaziquone. 2,2',2''-Trichlorotriethylamine.  
 Urethan. Vinblastine. Vincristine and Vindesine.

**52) Antineoplastic (hormonal) drugs, including:**

- 10 *Androgens such as* Calusterone. Dromostanolone Propionate.  
 Epitiostanol. Mepitiostane and Testolactone;  
*Antiadrenals such as* Aminoglutethimide. Mitotane and Trilostane;  
*Antiandrogens such as* Flutamide and Nilutamide; and  
*Antiestrogens such as* Tamoxifen and Toremifene.

- 15 **53) Antineoplastic adjuncts including folic acid replenishers such as Folinic Acid.**

**54) Antiparkinsonian drugs such as** Amantadine. Benserazide.  
 Bietanautine. Biperiden. Bromocriptine. Budipine. Carbidopa. Deprenyl.  
 Dexetimide. Diethazine. Droxidopa. Ethopropazine. Ethylbenzhydramine.  
 20 Levodopa. Naxagolide. Pergolide. Piroheptine. Pridinol. Prodipine.  
 Terguride Tigloidine and Trihexyphenidyl Hydrochloride.

**55) Antipheochromocytoma drugs such as** Metyrosine.  
 Phenoxybenzamine and Phentolamine.

- 56) **Antipneumocystis drugs** such as Eflornithine. Pentamidine and Sulfamethoxazole.
- 57) **Antiprostatic hypertrophy drugs** such as Gestonorone Caproate. Mepartricin. Oxendolone and Proscar®.
- 58) **Antiprotozoal drugs (Leshmania) such as** Antimony Sodium Gluconate. Ethylstibamine. Hydroxystilbamidine. N-Methylglucamine. Pentamidine. Stilbamidine and Urea Stibamine.
- 59) **Antiprotozoal drugs (Trichomonas) such as** Acetarsone. Aminitroazole. Anisomycin. Azanidazole. Forminitrazole. Furazolidone.
- 10 Hachimycin. Lauroguadine. Mepartricin. Metronidazole. Nifuratel. Nifuroxime. Nimorazole. Secnidazole. Silver Picrate. Tenonitroazole and Tinidazole.
- 60) **Antiprotozoal drugs (Trypanosma) such as** Benznidazole. Eflornithine. Melarsoprol. Nifurtimox. Oxophenarsine. Hydrochloride.
- 15 Pentamidine. Propamidine. Puromycin. Quinapyramine. Stilbamidine. Suramin Sodium. Trypan Red and Tryparsamide.
- 61) **Antipuritics such as** Camphor. Cyproheptadine. Dichlorisone. Glycine. Halometasone. 3-Hydroxycamphor. Menthol. Mesulphen. Methdilazine. Phenol. Polidocanol. Risocaine. Spirit of Camphor.
- 20 Thenaldine. Tolpropamine and Trimeprazine.
- 62) **Antipsoriatic drugs such as** Acitretin. Ammonium Salicylate. Anthralin. 6-Azauridine. Bergapten(e). Chrysarobin. Etretnate and Pyrogallol.

**63) Antipsychotic drugs, including:**

*Butyrophenones such as* Benperidol. Bromperidol. Droperidol. Fluanisone. Haloperidol. Melperone. Moperone. Pipamperone. Spiperone. Timiperone and Trifluoperidol;

- 5 *Phenothiazines such as* Acetophenazine. Butaperazine. Carphenazine. Chlorproethazine. Chlorpromazine. Clospirazine. Cyamemazine. Dixyrazine. Fluphenazine. Imiclopazine. Mepazine. Mesoridazine. Methoxypromazine. Metofenazate. Oxaflumazine. Perazine. Pericyazine. Perimethazine. Perphenazine. Piperacetazine. Pipotiazine.
- 10 Prochlorperazine. Promazine. Sulfuridazine. Thiopropazate. Thioridazine. Trifluoperazine and Triflupromazine;

*Thioxanthenes such as* Chlorprothixene. Clopenthixol. Flupentixol and Thiothixene;

*other tricyclics such as* Benzquinamide. Carpipramine. Clocapramine.

- 15 Clomacran. Clothiapine. Clozapine. Opipramol. Prothipendyl. Tetrabenazine and Zotepine; and

*others such as* Alizapride. Amisulpride. Buramate. Fluspirilene. Molindone. Penfluridol. Pimozide. Spirilene and Sulpiride.

**64) Antipyretics such as** Acetaminophen. Acetaminosalol. Acetanilide.

- 20 Aconine. Aconite. Aconitine. Alclofenac. Aluminum Bis(acetylsalicylate). Aminochlorthenoxazin. Aminopyrine. Aspirin. Benorylate. Benzydamine. Berberine. p-Bromoacetanilide. Bufexamac. Bumadizon. Calcium Acetylsalicylate. Chlorthenoxazin(e). Choline Salicylate. Clidanac.

- Dihydroxyaluminum Acetylsalicylate. Dipyroceryl. Dipyrone. Epirizole.  
 Etersalate. Imidazole Salicylate. Indomethacin. Isofezolac. p-  
 Lactophenetide. Lysine Acetylsalicylate. Magnesium Acetylsalicylate.  
 Meclofenamic Acid. Morazone. Morpholine Salicylate. Naproxen.  
 5 Nifenazone. 5'-Nitro-2'propoxyacetanilide. Propoxyacetanilide. Phenacetin.  
 Phenicarbazide. Phenocoll. Phenopyrazone. Phenyl Acetylsalicylate.  
 Phenyl Salicylate. Pipebuzone. Propacetamol. Propyphenazone.  
 Ramifenazone. Salacetamide. Salicylamide O-Acetic Acid. Sodium  
 Salicylate. Sulfamipyrine. Tetrandrine and Tinoridine.
- 10 **65) Antirickettsial drugs such as p-Aminobenzoic Acid.**  
 Chloramphenicol. Chloramphenicol Palmitate. Chloramphenicol  
 Pantothenate and Tetracycline.
- 66) Antiseborrheic drugs such as Chloroxine. 3-O-Lauroylpyridoxol**  
 Diacetate. Piroctone. Pyrithione. Resorcinol. Selenium Sulfides and  
 15 Tioxolone.
- 67) Antiseptics, including:**  
*Guanidines such as Alexidine. Ambazone. Chlorhexidine and Picloxydine;*  
*Halogens and halogen compounds such as Bismuth Iodide Oxide.*  
 Bismuth Iodosubgallate. Bismuth Tribromophenate. Bornyl Chloride.  
 20 Calcium Iodate. Chlorinated Lime. Cloflucarban. Flurosalan. Iodic Acid.  
 Iodine. Iodine Monochloride. Iodine Trichloride. Iodoform. Methenamine  
 Tetraiodine. Oxychlorosene. Povidone-Iodine. Sodium Hypochlorite.  
 Sodium Iodate. Symclosene. Thymol Iodide. Triclocarban. Triclosan and

Troclosene Potassium;

*Mercurial compounds such as* Hydrargaphen. Meralein Sodium.

Merbromin. Mercuric Chloride. Mercuric Chloride Ammoniated. Mercuric Sodium p-Phenolsulfonate. Mercuric Succinimide. Mercuric Sulfide Red.

- 5    Mercuriofen. Mercurous Acetate. Mercurous Chloride. Mercurous Iodide. Nitromersol. Potassium Tetraiodomercurate(II). Potassium

Triiodomercurate(II) Solution. Thimerfonate Sodium and Thimerosal;

*Nitrofurans such as* Furazolidone. 2-(Methoxymethyl)-5-nitrofur.

Nidroxyzone. Nifuroxime. Nifurzide and Nitrofurazone;

- 10   *Phenols such as* Acetomerocetol. Bithionol. Cadmium Salicylate. Carvacrol.

Chloroxylenol. Clorophene. Creosote. Cresol(s). p-Cresol. Fenticlor.

Hexachlorophene. 1-Naphthyl Salicylate. 2-Naphthyl Salicylate. 2,4,6-Tribromo-m-cresol and 3',4',5-Trichlorosalicylanilide;

*Quinolines such as* Aminoquinuride. Benzoxiquine. Broxyquinoline.

- 15   Chloroxine. Chlorquinaldol. Cloxyquin. Ethylhydrocupreine. Euprocine.

Halquinol. Hydrastine. 8-Hydroxquinoline. 8-Hydroxquinoline Sulfate and Iodochlorhydroxyquin; and

*others such as* Aluminum Acetate Solution. Aluminum Subacetate

Solution. Aluminum Sulfate. 3-Amino-4-hydroxybutyric Acid. Boric Acid.

- 20   Chlorhexidine. Chloroazodin. m-Cresyl Acetate. Cupric Sulfate.

Dibromopropamidine. Ichthammol. Negatol®. Noxytiolin. Ornidazole.  $\beta$ -Propiolactone.  $\alpha$ -Terpineol.

68) **Antispasmodic drugs such as** Alibendol. Ambucetamide.

- Aminopromazine. Apotropane. Bevonium Methyl Sulfate. Bietamiverine.  
 Butaverine. Butropium Bromide. N-Butylscopolammonium Bromide.  
 Caroverine. Cimetropium Bromide. Cinnamedrine. Clebopride. Coniine  
 Hydrobromide. Coniine Hydrochloride. Cyclonium Iodide. Difemerine.  
 5 Diisopromine. Dioxaphetyl Butyrate. Diponium Bromide. Drofenine.  
 Emepromium Bromide. Ethaverine. Feclemine. Fenalamide. Fenoverine.  
 Fenpiprane. Fenpiverinium Bromide. Fentonium Bromide. Flavoxate.  
 Flopropione. Gluconic Acid. Guaiactamine. Hydramitrazine.  
 Hymecromone. Leiopyrrole. Mebeverine. Moxaverine. Nafiverine.  
 10 Octamylamine. Octaverine. Pentapiperide. Phenamacide Hydrochloride.  
 Phloroglucinol. Pinaverium Bromide. Piperilate. Pipoxolan Hydrochloride.  
 Pramiverin. Prifinium Bromide. Properidine. Propivane. Propyromazine.  
 Prozapine. Racefemine. Rociverine. Spasmolytol. Stilonium Iodide.  
 Sultroponium. Tiemonium Iodide. Tiquizium Bromide. Tiropramide.  
 15 Trepibutone. Tricromyl. Trifolium. Trimebutine. N,N-1Trimethyl-3,3-  
 diphenyl-propylamine. Tropenzile. Trospium Chloride and Xenytropium  
 Bromide.
- 69) Antithrombotic drugs such as** Anagrelide. Argatroban. Cilostazol.  
 Daltroban. Defibrotide. Enoxaparin. Fraxiparine®. Indobufen. Lamoparan.  
 20 Ozagrel. Picotamide. Plafibride. Tedelparin. Ticlopidine and Triflusal.
- 70) Antitussive drugs such as** Alloclamide. Amicibone. Benproperine.  
 Benzonatate. Bibenzonium Bromide. Bromoform. Butamirate.  
 Butethamate. Caramiphen Ethanedisulfonate. Carbetapentane.

- Chlophedianol. Clobutinol. Cloperastine. Codeine. Codeine Methyl Bromide. Codeine N-Oxide. Codeine Phosphate. Codeine Sulfate. Cyclexanone. Dextromethorphan. Dibunate Sodium. Dihydrocodeine. Dihydrocodeinone Enol Acetate. Dimemorfan. Dimethoxanate.  $\alpha, \alpha$ -
- 5 Diphenyl-2-piperidinepropanol. Dropropizine. Drotebanol. Eprazinone. Ethyl Dibunate. Ethylmorphine. Fominoben. Guaipate. Hydrocodone. Isoaminile. Levopropoxyphene. Morclofone. Narceine. Normethadone. Noscapine. Oxeladin. Oxolamine. Pholcodine. Picoperine. Pipazethate. Piperidione. Prenoxdiazine Hydrochloride. Racemethorphan. Taziprinone
- 10 Hydrochloride. Tipepidine and Zipeprol.
- 71) Antiulcerative drugs such as** Aceglutamide Aluminum Complex.  $\epsilon$ -Acetamidocaproic Acid Zinc Salt. Acetoxolone. Arbaprostil. Benexate Hydrochloride. Bismuth Subcitrate Sol (Dried). Carbenoxolone. Cetraxate. Cimetidine. Enprostil. Esaprazole. Famotidine. Ftaxilide. Gefarnate.
- 15 Guaiazulene. Irsogladine. Misoprostol. Nizatidine. Omeprazole. Ornoprostil.  $\gamma$ -Oryzanol. Pifarnine. Pirenzepine. Plaunotol. Ranitidine. Rioprostil. Rosaprostol. Rotraxate. Roxatidine Acetate. Sofalcone. Spizofurone. Sucralfate. Teprenone. Trimoprostil. Trithiozine. Troxipide and Zolimidine.
- 20 **72) Antiurolithic drugs such as** Acetohydroxamic Acid. Allopurinol. Potassium Citrate and Succinimide.
- 73) Antivenin drugs such as** Lyovac® Antivenin.
- 74) Antiviral drugs, including:**



*Purines and pyrimidinones such as Acyclovir. Cytarabine.*

*Dideoxyadenosine. Dideoxycytidine. Dideoxyinosine. Edoxudine.*

*Floxuridine. Ganciclovir. Idoxuridine. Inosine Pranobex. MADU.*

*Trifluridine. Vidarabine and Zidovudine; and*

5 *others such as Acetylleucine Monoethanolamine. Amantadine.*

*Amidinomycin. Cuminaldehyde Thiosemicarbazone. Foscarnet Sodium.*

*Interferon- $\alpha$ . Interferon- $\beta$ . Interferon- $\gamma$ . Kethoxal. Lysozyme. Methisazone.*

*Moroxydine. Podophyllotoxin. Ribavirin. Rimantadine. Stallimycin.*

*Statolon. Tromantadine and Xenazoic Acid.*

10 **75) Anxiolytic drugs, including:**

*Aryl piperazines such as Buspirone. Gepirone and Ipsapirone;*

*Benzodiazepine derivatives such as Alprazolam. Bromazepam.*

*Camazepam. Chlordiazepoxide. Clobazam. Clorazepate. Clotiazepam.*

*Cloxazolam. Diazepam. Ethyl Loflazepate. Etizolam. Fludiazepam.*

15 *Flutazolam. Flutoprazepam. Halazepam. Ketazolam. Lorazepam.*

*Loxapine. Medazepam. Metaclozepam. Mexazolam. Nordazepam.*

*Oxazepam. Oxazolam. Pinazepam. Prazepam and Tofisopam;*

*Carbamates such as Cyclobamate. Emylcamate. Hydroxyphenamate.*

*Meprobamate. Phenprobamate and Tybamate; and*

20 *others such as Alpidem. Benzoctamine. Captodiamine. Chlormezanone.*

*Etifoxine. Fluoresone. Glutamic Acid. Hydroxyzine. Mecloralurea.*

*Mephenoqualone. Oxanamide. Phenaglycodol. Suriclone.*

**76) Benzodiazepine antagonists such as Flumazenil.**

**77) Bronchodilators, including:**

*Ephedrine derivatives such as* Albuterol. Bambuterol. Bitolterol.

Carbuterol. Clenbuterol. Clorprenaline. Dioxethedrine. Ephedrine.

Epinephrine. Eprozinol. Etafedrine. Ethylnorepinephrine. Fenoterol.

- 5    Hexoprenaline. Isoetharine. Isoproterenol. Mabuterol. Metaproterenol. N-Methylephedrine. Pirbuterol. Procaterol. Protokylol. Reproterol. Rimiterol. Soterenol. Terbuterol and Tulobuterol;

*Quaternary ammonium compounds such as* Bevonium Methyl Sulfate.

Flutropium Bromide. Ipratropium Bromide and Oxitropium Bromide;

- 10    *Xanthine derivatives such as* Acefylline. Acefylline Piperazine.

Ambuphylline. Aminophylline. Bamifylline. Choline Theophyllinate.

Doxofylline. Dyphylline. Enprofylline. Etamiphyllin. Etofylline. Guaithylline.

Proxiphylline. Theobromine. 1-Theobromineacetic Acid and Theophylline;

and

- 15    *others such as* Fenspiride. Medibazine. Methoxyphenanime and Tretoquinol.

**78) Calcium channel blockers, including:**

*Arylalkylamines such as* Bepridil. Diltiazem. Fendiline. Gallopanil.

Prenylamine. Terodiline and Verapamil;

- 20    *Dihydropyridine derivatives such as* Felodipine. Isradipine. Nicardipine.

Nifedipine. Nilvadipine. Nimodipine. Nisoldipine and Nitrendipine;

*Piperazine derivatives such as* Cinnarizine. Flunarizine and Lidoflazine;

and

*others such as* Bencyclane. Etafenone and Perhexiline.

**79) Calcium regulators such as** Calcifediol. Calcitonin. Calcitriol. Clodronic Acid. Dihydratichysterol. Elcatonin. Etidronic Acid. Ipriflavone. Pamidronic Acid. Parathyroid Hormone and Teriparatide Acetate.

5 **80) Cardiotonics such as** Acefylline. Acetyldigitoxins. 2-Amino-4-picoline. Amrinone. Benfurodil Hemisuccinate. Bucladesine. Cerberoside. Camphotamide. Convallatoxin. Cymarin. Denopamine. Deslanoside. Digitalin. Digitalis. Digitoxin. Digoxin. Dobutamine. Dopamine. Dopexamine. Enoximone. Erythrophleine. Fenalcomine. Gitalin. Gitoxin.

10 Glycocycamine. Heptaminol. Hydrastinine. Ibopamine. Lanatosides. Metamivam. Milrinone. Neriifolin. Oleandrin. Ouabain. Oxyfedrine. Prenalterol. Proscillaridin. Resibufogenin. Scillaren. Scillarenin. Strophanthin. Sulmazole. Theobromine and Xamoterol.

**81) Chelating agents such as** Deferoxamine. Ditiocarb Sodium.

15 Edetate Calcium Disodium. Edetate Disodium. Edetate Sodium. Edetate Trisodium. Penicillamine. Pentetate Calcium Trisodium. Pentetic Acid. Succimer and Trientine.

**82) Cholecystokinin antagonists such as** Proglumide.

**83) Cholelitholytic agents such as** Chenodiol. Methyl tert-Butyl Ether.

20 Monoctanoïn and Ursodiol.

**84) Choleretics such as** Alibendol. Anethole Trithion. Azintamide.

Cholic Acid. Cicrotoic Acid. Clanobutin. Cyclobutyrol. Cyclovalone.

Cynarin(e). Dehydrocholic Acid. Deoxycholic Acid. Dimecrotic Acid.  $\alpha$ -

Ethylbenzyl Alcohol. Exiproben. Feguprol. Fencibutirol. Fenipentol.  
Florantyrone. Hymecromone. Menbutone. 3-(o-Methoxyphenyl)-2-  
phenylacrylic Acid. Metochalcone. Moquizone. Osalmid. Ox Bile Extract.  
4,4'-Oxydi-2-butanol. Piprozolin. Prozapine. 4-Salicyloylmorpholine.

- 5    Sincalide. Taurocholic Acid. Timonacic. Tocamphyl. Trepibutone and  
Vanitiolide.

- 85) Cholinergic agents such as** Aceclidine. Acetylcholine Bromide.  
Acetylcholine Chloride. Aclatonium Napadisilate. Benzpyrinium Bromide.  
Bethanechol Chloride. Carbachol. Carpronium Chloride. Demecarium  
10    Bromide. Dexpanthenol. Diisopropyl Paraaxon. Echothiophate Iodide.  
Edrophonium Chloride. Eseridine. Furtrethonium. Isoflurophate.  
Methacholine Chloride. Muscarine. Neostigmine. Oxapropanium Iodide.  
Physostigmine and Pyridostigmine Bromide.

- 86) Cholinesterase inhibitors such as** Ambenonium Chloride.  
15    Distigmine Bromide and Galanthamine.

**87) Cholinesterase reactivators such as** Obidoxime Chloride and  
Pralidoxime Chloride.

- 88) Central nervous system stimulants and agents such as**  
Amineptine. Amphetamine. Amphetaminil. Bemegrade. Benzphetamine.  
20    Brucine. Caffeine. Chlorphentermine. Clofenciclan. Clortermine. Coca.  
Demanyl Phosphate. Dexoxadrol. Dextroamphetamine Sulfate.  
Diethylpropion. N-Ethylamphetamine. Ethamivan. Etifelmin. Etryptamine.  
Fencamfamine. Fenethylline. Fenozolone. Flurothyl. Hexacyclonate

Sodium. Homocamfin. Mazindol. Mefexamide. Methamphetamine.  
 Methylphenidate. Nikethamide. Pemoline. Pentylene-tetrazole.  
 Phendimetrazine. Phenmetrazine. Phentermine. Picrotoxin. Pipradrol.  
 Prolintane and Pyrovalerone.

- 5   **89) Decongestants such as** Amidephrine. Cafaminol. Cyclopentamine.  
 Ephedrine. Epinephrine. Fenoxazoline. Indanazoline. Metizoline.  
 Naphazoline. Nordefrin Hydrochloride. Octodrine. Oxymetazoline.  
 Phenylephrine Hydrochloride. Phenylpropanolamine Hydrochloride.  
 Phenylpropylmethylamine. Propylhexedrine. Pseudoephedrine.  
 10   Tetrahydrozoline. Tymazoline and Xylometazoline.

**90) Dental caries prophylaxis such as** Sodium Fluoride.

**91) Depigmentors such as** Hydroquinine. Hydroquinone and  
 Monobenzene.

**92) Diuretics, including:**

- 15   *Organomercurials such as* Chlormerodrin. Meralluride. Mercamphamide.  
 Mercaptomerin Sodium. Mercumallylic Acid. Mercumatilin Sodium.  
 Mercurous Chloride and Mersaly;

*Pteridines such as* Furterene and Triamterene;

*Purines such as* Acefylline. 7-Morpholinomethyltheophylline. Pamabrom.

- 20   Protheobromine and Theobromine;

*Steroids such as* Canrenone. Oleandrin and Spironolactone;

*Sulfonamide derivatives such as* Acetazolamide. Ambuside. Azosemide.

Bumetanide. Butazolamide. Chloraminophenamide. Clofenamide.

Cloпамide. Clorexolone. Diphenylmethane-4,4'-disulfonamide.  
Disulfamide. Ethoxzolamide. Furosemide. Indapamide. Mefruside.  
Methazolamide. Piretanide. Quinethazone. Torasemide. Tripamide and  
Xipamide;

- 5 *Uracils such as* Aminometradine and Amisometradine;  
*others such as* Amanozine. Amiloride. Arbutin. Chlorazani. Ethacrynic  
Acid. Etozolin. Hydracarbazine. Isosorbide. Mannitol. Metochalcone.  
Muzolimine. Perhexiline. Ticrynafen and Urea.
- 93) **Dopamine receptor agonists such as** Bromocriptine. Dopexamine.  
10 Fenoldopam. Ibopamine. Lisuride. Naxagolide and Pergolide.

94) **Ectoparasitocides such as** Amitraz. Benzyl Benzoate. Carbaryl.  
Crotamiton. DDT. Dixanthogen. Isobornyl Thiocynoacetate-Technical.  
Lime Sulfurated Solution. Lindane. Malathion. Mercuric Oleate. Mesulphen  
and Sulphur-Pharmaceutical.

15 **95) Enzymes, including:**

*Digestive enzymes such as*  $\alpha$ -Amylase (Swine Pancreas). Lipase.

Pancrelipase. Pepsin and Rennin;

*Mucolytic enzymes such as* Lysozyme;

*Penicillin inactivating enzymes such as* Penicillinase; and

- 20 *Proteolytic enzymes such as* Collagenase. Chymopapain. Chymotrypsins.  
Papain and Trypsin.

96) **Enzyme inducers (hepatic) such as** Flumecinol.

97) **Estrogens, including:**

*Nonsteroidal estrogens such as* Benzestrol. Boparoestrol.

Chlorotrianisene. Dienestrol. Diethylstilbestrol. Diethylstilbestrol

Dipropionate. Dimestrol. Fosfestrol. Hexestrol. Methallenestril and

Methestrol; and

- 5    *Steroidal estrogens such as* Colpormon. Conjugated Estrogenic  
Hormones. Equilenin. Equilin. Estradiol. Estradiol Benzoate. Estradiol 17 $\beta$ -  
Cypionate. Estriol. Estrone. Ethinyl Estradiol. Mestranol. Moxestrol.  
Mytatrienediol. Quinestradiol and Quinestrol.

**98) Gastric secretion inhibitors such as** Enterogastrone and

- 10    Octreotide.

**99) Glucocorticoids such as** 21-Acetoxypregnenolone. Alclometasone.  
Algestone. Amcinonide. Beclomethasone. Betamethasone. Budesonide.  
Chloroprednisone. Clobetasol. Clobetasone. Clocortolone. Cloprednol.  
Corticosterone. Cortisone. Cortivazol. Deflazacort. Desonide.

- 15    Desoximetasone. Dexamethasone. Diflorasone. Diflucortolone.  
Difluprednate. Enoxolone. Fluazacort. Flucloronide. Flumethasone.  
Flunisolide. Fluocinolone Acetonide. Fluocinonide. Fluocortin Butyl.  
Fluocortolone. Fluorometholone. Fluperolone Acetate. Fluprednidene  
Acetate. Fluprednisolone. Flurandrenolide. Formocortal. Halcinonide.  
20    Halometasone. Halopredone Acetate. Hydrocortamate. Hydrocortisone.  
Hydrocortisone Acetate. Hydrocortisone Phosphate. Hydrocortisone 21-  
Sodium Succinate. Hydrocortisone Tebutate. Mazipredone. Medrysone.  
Meprednisone. Methylprednisolone. Mometasone Furoate.

- Paramethasone. Prednicarbate. Prednisolone. Prednisolone 21-Diethylaminoacetate. Prednisone Sodium Phosphate. Prednisolone Sodium Succinate. Prednisolone Sodium 21-m-Sulfobenzoate. Prednisolone 21-Stearoylglycolate. Prednisolone Tebutate. Prednisolone
- 5 21-Trimethylacetate. Prednisone. Prednival. Prednylidene. Prednylidene 21-Diethylaminoacetate. Tixocortal. Triamcinolone. Triamcinolone Acetonide. Triamcinolone Benetonide and Triamcinolone Hexacetonide.
- 100) Gonad-Stimulating principles such as Buserelin. Clomiphene. Cyclofenil. Epimestrol. FSH. HCG and LH-RH.**
- 10 **101) Gonadotropic hormones such as LH and PMSG.**
- 102) Growth hormone inhibitors such as Octreotide and Somatostatin.**
- 103) Growth hormone releasing factors such as Semorelin.**
- 104) Growth stimulants such as Somatotropin.**
- 105) Hemolytic agents such as Phenylhydrazine and Phenylhydrazine**
- 15 **Hydrochloride.**
- 106) Heparin antagonists such as Hexadimethrine Bromide and Protamines.**
- 107) Hepatoprotectants such as S-Adenosylmethionine. Betaine. Catechin. Citolone. Malotilate. Orazamide. Phosphorylcholine.**
- 20 **Protoporphyrin IX. Silymarin-Group. Thiocetic Acid and Tiopronin.**
- 108) Immunomodulators such as Amiprilose. Bucillamine. Ditiocarb Sodium. Inosine Pranobex. Interferon- $\gamma$ . Interleukin-2. Lentinan. Muroctasin. Platonin. Procodazole. Tetramisole. Thymomodulin.**



Thymopentin and Ubenimex.

**109) Immunosuppressants such as Azathioprine. Cyclosporins and Mizoribine.**

**110) Ion exchange resins such as Carbacrylic Resins. Cholestyramine Resin. Colestipol. Polidexide. Resodex and Sodium Polystyrene Sulfonate.**

**111) Lactation stimulating hormone such as Prolactin.**

**112) LH-RH agonists such as Buserelin. Goserelin. Leuprolide. Nafarelin and Triptorelin.**

**113) Lipotropic agents such as N-Acetylmethionine. Choline Chloride. Choline Dehydrocholate. Choline Dihydrogen Citrate. Inositol. Lecithin and Methionine.**

**114) Lupus erythematosus suppressants such as Bismuth Sodium Triglycollamate. Bismuth Subsalicylate. Chloroquine and Hydroxychloroquine.**

**115) Mineralcorticoids such as Aldosterone. Deoxycorticosterone. Deoxycorticosterone Acetate and Fludrocortisone.**

**116) Miotic drugs such as Carbachol. Physostigmine. Pilocarpine and Pilocarpus.**

**117) Monoamine oxidase inhibitors such as Deprenyl. Iproclozide. Iproniazid. Isocarboxazid. Moclobemide. Octamoxin. Pargyline. Phenelzine. Phenoxypropazine. Pivalylbenzhydrazine. Prodiptine. Toloxatone and Tranylcypromine.**

**118) Mucolytic agents such as** Acetylcysteine. Bromhexine.

Carbocysteine. Domiodol. Letosteine. Lysozyme. Mecysteine

Hydrochloride. Mesna. Sobrerol. Stepronin. Tiopronin and Tyloxapol.

**119) Muscle relaxants (skeletal) such as** Afloqualone. Alcuronium.

5 Atracurium Besylate. Baclofen. Benzocetamine. Benzoquinonium Chloride.

C-Calebassine. Carisoprodol. Chlormezanone. Chlorphenesin Carbamate.

Chlorproethazine. Chlorzoxazone. Curare. Cyclobenzaprine.

Cyclobenzaprine. Dantrolene. Decamethonium Bromide. Diazepam.

Eperisone. Fazadinium Bromide. Flumetramide. Gallamine Triethiodide.

10 Hexacarbacholine Bromide. Hexafluorenum Bromide. Idrocilamide.

Laudexium Methyl Sulfate. Leptodactyline. Memantine. Mephenesin.

Mephenoxalone. Metaxalone. Methocarbamol. Metocurine Iodide.

Nimetazepam. Orphenadrine. Pancuronium Bromide. Phenprobamate.

Phenylramidol. Pipecurium Bromide. Promoxolane. Quinine Sulfate.

15 Styramate. Succinylcholine Bromide. Succinylcholine Chloride.

Succinylcholine Iodine. Suxethonium Bromide. Tetrazepam.

Thiocolchicoside. Tizanidine. Tolperisone. Tubocurarine Chloride.

Vecuronium Bromide and Zoxazolamine.

**120) Narcotic antagonists such as** Amiphenazole. Cyclazocine.

20 Levallorphan. Nadide. Nalmefene. Nalorphine. Nalorphine Dinicotinate.

Naloxone and Naltrexone.

**121) Neuroprotective agents such as** Dizocilpine.

**122) Nootropic agents such as** Aceglutamide. Acetylcarnitine.

Aniracetam. Bifemelane. Exifone. Fipexide. Idebenone. Indeloxazine Hydrochloride. Nizofenone. Oxiracetam. Piracetam. Propentofylline.

Pyritinol and Tacrine.

5 **123) Ophthalmic agents such as** 15-ketoprostaglandins.

**124) Ovarian hormone such as** Relaxin.

**125) Oxytocic drugs such as** Carboprost. Cargutocin. Deaminooxytocin.

Ergonovine. Gemeprost. Methylergonovine. Oxytocin. Pituitary (Posterior).

Prostaglandin E<sub>2</sub>. Prostaglandin F<sub>2</sub> $\alpha$  and Sparteine.

10 **126) Pepsin inhibitors such as** Sodium Amylosulfate.

**127) Peristaltic stimulants such as** Cisapride.

**128) Progestogens such as** Allylestrenol. Anagestone. Chlormadinone

Acetate. Delmadinone Acetate. Demegestone. Desogestrel.

Dimethisterone. Dydrogesterone. Ethisterone. Ethynodiol. Flurogestone

15 Acetate. Gestodene. Gestonorone Caproate. Haloprogesterone. 17-

Hydroxy-16-methylene-progesterone. 17 $\alpha$ -Hydroxyprogesterone. 17 $\alpha$ -

Hydroxyprogesterone Caproate. Lynestrenol. Medrogestone.

Medroxyprogesterone. Megestrol Acetate. Melengestrol. Norethindrone.

Norethynodrel. Norgesterone. Norgestimate. Norgestrel. Norgestrienone.

20 Norvinisterone. Pentagestrone. Progesterone. Promegestone.

Quingestron and Trengestone.

**129) Prolactin inhibitors such as** Metergoline.

**130) Prostaglandins and prostaglandin analogs such as** Arbaprostil. Carboprost. Enprostil. Gemeprost. Limaprost. Misoprostol. Ornoprostil. Prostacyclin. Prostaglandin E<sub>1</sub>. Prostaglandin E<sub>2</sub>. Prostaglandin F<sub>2</sub>α. Rioprostil. Rosaprostol. Sulprostone and Trimoprostil.

5 **131) Protease inhibitors such as** Aprotinin. Camostat. Gabexate and Nafamostat.

**132) Respiratory stimulants such as** Almitrine. Bemegride. Carbon Dioxide. Cropropamide. Crotethamide. Dimeflin. Dimorpholamine. Doxapram. Ethamivam. Fominoben. Lobeline. Mepixanox. Metamivam.

10 **Nikethamide. Picrotoxin. Pimeclone. Pyridofylline. Sodium Succinate and Tacrine.**

**133) Sclerosing agents such as** Ethanolamine. Ethylamine. 2-Hexyldecanoic Acid. Polidocanol. Quinine Bisulfate. Quinine Urea Hydrochloride. Sodium Ricinoleate. Sodium Tetradecyl Sulfate and

15 **Tribenoside.**

**134) Sedatives and hypnotics, including:**

*Acyclic ureides such as* Acecarbromal. Apronalide. Bomisovalium. Capuride. Carbromal and Ectylurea;

*Alcohols such as* Chlorhexadol. Ethchlorvynol. Meparfynol. 4-Methyl-5-

20 **thiazoleethanol. tert-Pentyl Alcohol and 2,2,2-Trichloroethanol;**

*Amides such as* Butoctamide. Diethylbromoacetamide. Ibrotamide. Isovaleryl Diethylamide. Niaprazine. Tricetamide. Trimetozine. Zolpidem and Zopiclone;

- Barbituric acid derivatives such as* Allobarbital. Amobarbital. Aprobarbital. Barbital. Brallobarbital. Butabarbital Sodium. Butalbital. Butallylonal. Butethal. Carbubarb. Cyclobarbital. Cyclopentobarbital. Enallylpropymal. 5-Ehtyl-5-(1-piperidyl) barbituric Acid. 5-Furfuryl-5-isopropylbarbituric Acid.
- 5    *Heptabarbital. Hexethal Sodium. Hexobarbital. Mephobarbital. Methitural. Narcobarbital. Nealbarbital. Pentobarbital Sodium. Phenallymal. Phenobarbital. Phenobarbitol Sodium. Phenylmethylbarbituric Acid. Probarbitol. Propallylonal. Proxibarbal. Reposal. Secobarbitol Sodium. Talbutal. Tetrabarbitol. Vinbarbitol Sodium and Vinylbital;*
- 10   *Benzodiazepine derivatives such as* Brotizolam. Doxefazepam. Estazolam. Flunitrazepam. Flurazepam. Haloxazolam. Loprazolam. Lormetazepam. Nitrazepam. Quazepam. Temazepam and Triazolam;
- Bromides such as* Ammonium Bromide. Calcium Bromide. Calcium Bromolactobionate. Lithium Bromide. Magnesium Bromide. Potassium Bromide and Sodium Bromide;
- 15   *Carbamates such as* Amyl Carbamate-Tertiary. Ethinamate. Hexapropymate. Meparfynol Carbamate. Novonal and Trichlorourethan;
- Chloral derivatives such as* Carbocloral. Chloral Betaine. Chloral Formamide. Chloral Hydrate. Chloralantipyrine. Dichloralphenazone.
- 20   *Pentaerythritol Chloral and Triclofos;*
- Piperidinediones such as* Glutethimide. Methypylon. Piperidione. Pyrithyldione. Taglutimide and Thalidomide;

*Quinazalone derivatives such as* Etaqualone. Mecloqualone and Methaqualone; and

*others such as* Acetal. Acetophenone. Aldol. Ammonium Valerate. Amphenidone. d-Bornyl  $\alpha$ -Bromoisovalerate. d-Bornyl Isovalerate.

- 5 Bromoform. Calcium 2-Ethylbutanoate. Carfinat.  $\alpha$ -Chloralose. Clomethiazole. Cypripedium. Doxylamine. Etodroxizine. Etomidate. Fenadiazole. Homofenazine. Hydrobromic Acid. Meclozamine. Menthyl Valerate. Opium. Paraldehyde. Perlazine. Propiomazine. Rilmazafone. Sodium Oxybate. Sulfonethylnmethane and Sulfonmethane.

- 10 **135) Thrombolytic agents such as** APSAC. Plasmin. Pro-Urokinase. Streptokinase. Tissue Plasminogen Activator and Urokinase.

**136) Thyrotropic hormones such as** TRH and TSH.

**137) Uricosurics such as** Benzbromarone. Ethebenecid. Orotic Acid. Oxycinchophen. Probenecid. Sulfapyrazone. Ticrynafen and

- 15 Zoxazolamine.

**138) Vasodilators (cerebral) such as** Bencyclane. Cinnarizine.

Citicoline. Cycandelate. Ciclonicate. Diisopropylamine. Dichloroacetate.

Eburnamonine. Fenoxedil. Flunarizine. Ibudilast. Ifenprodil. Nafronyl.

Nicametate. Nicergoline. Nimodipine. Papaverine. Pentifylline. Tinofedrine.

- 20 Vincamine. Vinpocetine and Viquidil.

**139) Vasodilators (coronary) such as** Amotriphene. Bendazol.

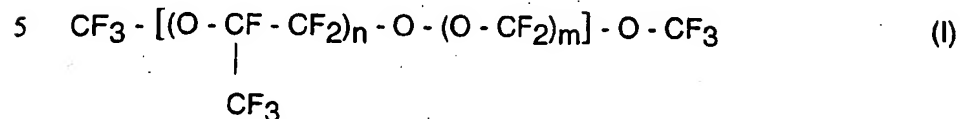
Benfurodil Hemisuccinate. Benziodarone. Chloracizine. Chromonar.

Clobenfurol. Clonitrate. Dilazep. Dipyridamole. Drophenilamine. Eflorate.

- Erythritol. Erythrityl Tetranitrate. Etafenone. Fendiline. Floredil.  
Ganglefene. Hexestrol Bis( $\beta$ -diethylaminoethyl ether). Hexobendine.  
Itramin Tosylate. Khellin. Lidoflazine. Mannitol Hexanitrate. Medibazine.  
Nicorandil. Nitroglycerin. Pentaerythritol Tetranitrate. Pentritinol.
- 5 Perhexiline. Pimefylline. Prenylamine. Propatyl Nitrate. Pyridofylline.  
Tapidil. Tricromyl. Trimetazidine. Trolnitrate Phosphate and Visnadine.
- 140) Vasodilators (peripheral) such as** Aluminum Nicotinate. Bamethan.  
Bencyclane. Betahistine. Bradykinin. Brovincamine. Bufoniode. Buflomedil.  
Butalamine. Cetiedil. Ciclonicate. Cinepazide. Cinnarizine. Cycandelate.
- 10 Diisopropylamine Dichloracetate. Eledoisin. Fenoxedil. Flunarizine.  
Hepronicate. Ifenprodil. Inositol Niacinate. Isoxsuprine. Kallidin. Kallikrein.  
Moxisylyte. Nafronyl. Nicametate. Nicergoline. Nicofuranose. Nicotiny  
Alcohol. Nylidrin. Pentifylline. Pentoxifylline. Piribedil. Prostaglandin E<sub>1</sub>.  
Suloctidil and Xanthinol Niacinate.
- 15 **141) Vasoprotectants such as** Benzarone. Bioflavonoids. Chromocarb.  
Clobenoside. Diosmin. Dobesilate Calcium. Escin. Folescutol.  
Leucocyanidin. Metescufylline. Quercetin. Rutin and Troxerutin.
- 142) Vitamins, vitamin sources and vitamin extracts such as** Vitamins  
A, B, C, D, E and K and derivatives thereof. Calciferols. Glycyrrhiza and  
20 Mecobalamin.
- 143) Vulnerary agents such as** Acetylcysteine. Allantoin. Asiaticoside.  
Cadexomer Iodine. Chitin. Dextranomer and Oxaceprol.

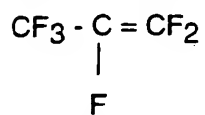
The use referred to herein increases percutaneous absorption of drugs by over 5 times their normal capacity.

Finally, the invention also regards the compounds belonging to the Perfluoropolyester class of formula I



with  $n$  and  $m > 18$  and  $< 46$  and with molecular weights between ~600 and ~8000, especially those with  $n$  and  $m > 24$  and  $< 36$  with molecular

10 weights between 1000 and 4000, obtained by polymerization of hexafluoropropene



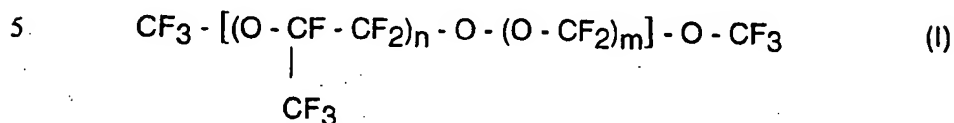
15 with UV activated oxygen.



CLAIMS

1. Pharmaceutical compositions, characterized by the fact that they contain, apart from one or more active ingredient(s),

- between 0.01 and 60% w/w of the compounds of formula I



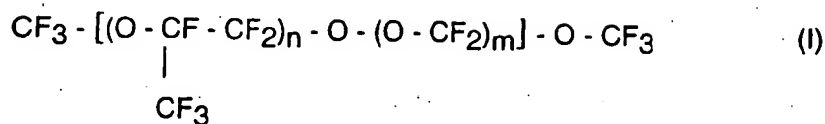
with n and m > 18 and < 46 and with molecular weights between ~600 and ~8000, as compounds with activity for the enhancement of active ingredient absorption.

2. Pharmaceutical compositions according to claim 1, characterized by the fact that they also contain between 0.01 and 20% w/w of Phosphatidylcholine.

3. Pharmaceutical compositions according to claims 1 or 2 with 0.1 to 30% w/w of the compounds of formula I with n and m > 24 and < 36 and with molecular weights between 1000 and 4000 and with 0.1 to 10% w/w of Phosphatidylcholine.

4. Pharmaceutical compositions according to claims 1 to 3, containing other compatible ingredients and being present in the form of creams, emulsions, ointments, lotions, foams, gels, aspersion powders and transdermal formulations.

5. Use of the compounds of formula I



with n and m > 18 and < 46, preferably > 24 and < 36, and with molecular weights between ~600 and ~8000, preferably between 1000 and 4000, in pharmaceutical compositions for topical external or internal use for the enhancement of absorption of active ingredients through the derma, cutis, mucosa, rectum, vagina and urethra.

6. Use according to claim 5, characterized by the fact that the compounds of formula I are used in association with Phosphatidylcholine.

7. Use according to claims 5 or 6, with the active ingredients used preferably having anabolic, analgesic, androgenic, anesthetic, anorectic, anthelmintic, antiallergic, antiamebic, antiandrogenic, antianginal, antiarrhythmic, antiarteriosclerotic, antiarthritic and antirheumatic, antibacterial, anticholinergic, anticonvulsant, antidepressant, antidiabetic, antidiarrheal, antidiuretic, antiestrogenic, antibiotic, antiglaucoma, antigonadotropic, antihistaminic, antihyperlipoproteinemic, antihyperthyroid, antihypertensive, anti-

inflammatory, antimalarial, antimigraine, antinauseant, antineoplastic, antiparkinsonian, antiprotozoal, antipruritic, antipsoriatic, antipsychotic, antipyretic, antiseptic, antispasmodic, antithrombotic, antitussive, antiulcer, antiviral, anxiolytic, bronchodilator, CA-blocking  
5 or regulating, cardiotonic, stimulating, decongestant, diuretic or enzymatic effect.

8. Use according to claim 7, characterized by the fact that the drugs are Troxerutine and Nimesulide and, also

- 10 1)  $\alpha$ -Adrenergic agonists such as Adrafinil. Adrenolone. Amidephrine. Apraclonidine. Budralazine. Clonidine. Cyclopentamine. Detomidine. Dimetofrine. Dipivefrin. Ephedrine. Epinephrine. Fenoxazoline. Guanabenz. Guanfacine. Hydroxyamphetamine. Ibopamine. Indanazoline. Isometheptene.  
15 Mephentermine. Metaraminol. Methoxamine Hydrochloride. Methylhexaneamine. Metizolene. Midodrine. Naphazoline. Norepinephrine. Norfenefrine. Octodrine. Octopamine. Oxymetazoline. Phenylephrine Hydrochloride. Phenylpropanolamine Hydrochloride. Phenylpropylmethylamine. Pholedrine.  
20 Propylhexedrine. Pseudoephedrine. Rilmenidine. Synephrine. Tetrahydrozoline. Tiamenidine. Tramazoline. Tuaminoheptane. Tymazoline. Tyramine and Xylometazoline.
- 2)  $\beta$ -Adrenergic agonists such as Albuterol. Bambuterol.

Bitolterol. Carbuterol. Clenbuterol. Clorprenaline. Denopamine.  
Dioxethedrine. Dopexamine. Ephedrine. Epinephrine. Etafedrine.  
Ethylnorepinephrine. Fenoterol. Formoterol. Hexoprenaline.  
Ibopamine. Isoetharine. Isoproterenol. Mabuterol. Metaproterenol.  
5 Methoxyphenamine. Oxyfedrine. Pirbuterol. Prenalterol. Procaterol.  
Protokylol. Reproterol. Rimiterol. Ritodrine. Soterenol. Terbuterol and  
Xamoterol.

3)  $\alpha$ -Adrenergic blockers such as Amosulalol. Arotinolol.  
Dapiprazole. Doxazosin. Ergoloid Mesylates. Fenspiride. Indoramin.  
10 Labetalol. Nicergoline. Prazosin. Terazosin. Tolazoline. Trimazosin  
and Yohimbine.

4)  $\beta$ -Adrenergic blockers such as Acebutolol. Alprenolol.  
Amosulalol. Arotinolol. Atenolol. Befunolol. Betaxolol. Bevantolol.  
Bisoprolol. Bopindolol. Bucumolol. Bufetolol. Bufuralol. Bunitrolol.  
15 Bupranolol. Butidrine Hydrochloride. Butofilolol. Carazolol. Carteolol.  
Carvedilol. Celiprolol. Cetamolol. Cloranolol. Dilevalol. Epanolol.  
Esmolol. Indenolol. Labetalol. Levobunolol. Mepindolol. Metipranolol.  
Metoprolol. Moprolol. Nadoxolol. Nifenalol. Nipradilol. Oxprenolol.  
Penbutolol. Pindolol. Practolol. Pronethalol. Propranolol. Sotalol.  
20 Sulfinalol. Talinolol. Tertatolol. Timolol. Toliprolol and Xibenolol.

5) Alcohol deterrents such as Calcium Cyanamide Citrated.  
Disulfiram. Nadide and Nitrefazole.

6) Aldose reductase inhibitors such as Epalrestat. Ponalrestat.

Sorbinil and Tolrestat.

7) **Anabolics such as** Androisoxazole. Androstenediol. Bolandiol. Bolasterone. Clostebol. Ethylestrenol. Formyldienolone. 4-Hydroxy-19-nortestosterone. Methandriol. Methenolone. Methyltrienolone.

5 Nandrolone. Nandrolone Decanoate. Nandrolone p-Hexyloxyphenylpropionate. Nandrolone Phenpropionate. Norbolethone. Oxymesterone. Pizotiline. Quinbolone. Stenbolone and Trenbolone.

10 8) **Analgesics (dental) such as** Chlorobutanol. Clove and Eugenol.

9) **Analgesics (narcotic) such as** Alfentanil. Allylprodine. Alphaprodine. Anileridine. Benzylmorphine. Bezitramide. Buprenorphine. Butorphanol. Clonitazene. Codeine. Codeine Methyl Bromide. Codeine Phosphate. Codeine Sulfate. Desomorphine. 15 Dextromoramide. Dezocine. Diampromide. Dihydrocodeine. Dihydrocodeinone Enol Acetate. Dihydromorphine. Dimenoxadol. Dimepheptanol. Dimethylthiambutene. Dioxaphetyl Butyrate.

Dipipanone. Eptazocine. Ethoheptazine. Ethylmethylthiambutene. Ethylmorphine. Etonitazene. Fentanyl. Hydrocodone. 20 Hydromorphone. Hydroxypethidine. Isomethadone. Ketobemidone. Levorphanol. Lofentanil. Meperidine. Meptazinol. Metazocine. Methadone Hydrochloride. Metopon. Morphine. Morphine Derivatives. Myrophine. Nalbuphine. Narceine. Nicomorphine.

Norlevorphanol. Normethadone. Normorphine. Norpipanone. Opium.  
Oxycodone. Oxymorphone. Papaveretum. Pentazocine.  
Phenadoxone. Phenazocine. Phenoperidine. Piminodine. Piritramide.  
Proheptazine. Promedol. Properidine. Propiram. Propoxyphene.  
5 Sufentanil and Tilidine.

**10) Analgesics (non-narcotic) such as Acetaminophen.**

Acetaminosalol. Acetanilide. Acetylsalicylsalicylic Acid. Alclofenac.  
Alminoprofen. Aloxiprin. Aluminum Bis (acetylsalicylate).  
Aminochlorthenoxazin. 2-Amino-4-picoline. Aminopropylon.  
10 Aminopyrine. Ammonium Salicylate. Antipyrine. Antipyrine Salicylate.  
Antrafenine. Apazone. Aspirin. Benorylate. Benoxaprofen.  
Benzpiperylon. Benzydamine. p-Bromoacetanilide. 5-Bromosalicylic  
Acid Acetate. Bucetin. Bufexamac. Bumadizon. Butacetin. Calcium  
Acetylsalicylate. Carbamazepine. Carbetidine. Carbiphen.  
15 Carsalam. Chloralantipyrine. Chlorthenoxazin(e). Choline Salicylate.  
Cinchophen. Ciramadol. Clometacin. Cropropamide. Crotethamide.  
Dexoadrol. Difenamizole. Diflunisal. Dihydroxyaluminum  
Acetylsalicylate. Dipyroceryl. Dipyrone. Emorfazone. Enfenamic Acid.  
Epirizole. Etersalate. Ethenzamide. Ethoxazene. Etodolac. Felbinac.  
20 Fenoprofen. Floctafenine. Flufenamic Acid. Fluoresone. Flupirtine.  
Fluproquazone. Flurbiprofen. Fosfosal. Gentisic Acid. Glafenine.  
Ibufenac. Imidazole Salicylate. Indomethacin. Indoprofen. Isofezolac.  
Isoladol. Isonixin. Ketoprofen. Ketorolac. p-Lactophenetide.

- Lefetamine. Loxoprofen. Lysine Acetylsalicylate. Magnesium Acetylsalicylate. Methotrimeprazine. Metofoline. Miroprofen. Morazone. Morpholine Salicylate. Naproxen. Nefopam. Nifenazone. 5'Nitro-2'propoxyacetanilide. Parsalmide. Perisoxal. Phenacetin.
- 5 Phenazopyridine Hydrochloride. Phenocoll. Phenopyrazone. Phenyl Acetylsalicylate. Phenyl Salicylate. Phenylamidol. Pipebuzone. Piperylone. Prodilidine. Propacetamol. Propyphenazone. Proxazole. Quinine Salicylate. Ramifenazone. Rimazolium Metilsulfate. Salacetamide. Salicin. Salicylamide. Salicylamide O-Acetic Acid.
- 10 Salicylsulfuric Acid. Salsalate. Salverine. Simetride. Sodium Salicylate. Sulfamipyrine. Suprofen. Talniflumate. Tenoxicam. Terofenamate. Tetradrine. Tinoridine. Tolfenamic Acid. Tolpronine. Tramadol. Viminol. Xenbucin and Zomepirac.
- 11) Androgens such as Boldenone. Fluoxymesterone.**
- 15 Mestanolone. Mesterolone. Methandrostenolone. 17-Methyltestosterone. Methyltestosterone. 17 $\alpha$ -Methyltestosterone 3-Cyclopentyl Enol Ether. Norethandrolone. Normethandrone. Oxandrolone. Oxymesterone. Oxymetholone. Prasterone. Stanolone. Stanozolol. Testosterone. Testosterone 17-Chloral Hemiacetal.
- 20 Testosterone 17 $\beta$ -Cypionate. Testosterone Enanthate. Testosterone Nicotinate. Testosterone Phenyl Acetate. Testosterone Propionate and Tiomesterone.
- 12) Anesthetics (intravenous) such as Acetamidoeugenol.**

- Alfadolone Acetate. Alfaxalone. Ambucaine. Amolanone. Amylocaine Hydrochloride. Benoxinate. Butoxycaine. Biphenamine. Bupivacaine. Butacaine. Butamben. Butanilcaine. Butethamine. Buthalital Sodium. Butoxycaine. Carticaine. 2-Chloroprocaine Hydrochloride.
- 5 Cocaethylene. Cocaine. Cyclomethycaine. Dibucaine Hydrochloride. Dimethisoquin. Dimethocaine. Dipiperodon Hydrochloride. Dyclonine. Ecgonidine. Ecgonine. Ethyl Aminobenzoate. Ethyl Chloride. Etidocaine. Etomidate.  $\beta$ -Eucaine. Euprocaine. Fenalcomine. Fomocaine. Hexobarbital. Hexylcaine Hydrochloride. Hydroxydione
- 10 Sodium. Hydroxyprocaine. Hydroxytetracaine. Isobutyl p-Aminobenzoate. Ketamine. Leucinecaine Mesylate. Levoradrol. Lidocaine. Mepivacaine. Mepylcaine Hydrochloride. Metabutoxycaine Hydrochloride. Methohexital Sodium. Methyl Chloride. Midazolam. Myrtocaine. Naepaine. Octacaine. Orthocaine.
- 15 Oxethazine. Parethoxycaine. Phenacaine Hydrochloride. Phencyclidine. Phenol. Piperocaine. Piridocaine. Polidocanol. Pramoxine. Prilocaine. Procaine. Propanidol. Propanocaine. Proparacaine. Propipocaine. Propofol. Propoxycaine Hydrochloride. Pseudococaine. Pyrrocaine. Quinine Urea Hydrochloride. Risocaine.
- 20 Salicyl Alcohol. Tetracaine Hydrochloride. Thialbarbital. Thimylal. Thiobutabarbital. Thiopental Sodium. Tolycaine. Trimecaine and Zolamine.
- 13) Anorectics such as Aminorex. Amphetoral. Amphetamine.



- Benzphetamine. Chlorphentermine. Clobenzorex. Cloforex.  
Clortermine. Cyclexedrine. Dextroamphetamine Sulfate.  
Diethylpropion. Diphemethoxidine. N-Ethylamphetamine.  
Fenbutrazate. Fenfluramine. Fenproporex.  
5 Furfurymethylamphetamine. Levophacetoperate. Mazindol.  
Mefenorex. Metamfepramone. Methamphetamine.  
Norpseudoephedrine. Phendimetrazine. Phenmetrazine.  
Phenphetamine. Phenylpropanolamine Hydrochloride and Picilorex.  
**14) Anthelmintics (Cestodes) such as** Arecoline. Aspidin.  
10 Aspidinol. Dichlorophen(e). Embelin. Kosin. Napthalene.  
Niclosamide. Pellertierine. Pellertierine Tannate and Quinacrine.  
**15) Anthelmintics (Nematodes) such as** Alantolactone.  
Amoscanate. Ascaridole. Bephenium. Bitoscanate. Carbon  
Tetrachloride. Carvacrol. Cyclobendazole. Diethylcarbamazine.  
15 Diphenane. Dithiazanine Iodide. Dymanthine. Gentian Violet. 4-  
Hexylresorcinol. Kainic Acid. Mebendazole. 2-Naphthol. Oxantel.  
Papain. Piperazine. Piperazine Adipate. Piperazine Citrate.  
Piperazine Edetate Calcium. Piperazine Tartrate. Pyrantel. Pyrvinium  
Pamoate.  $\alpha$ -Santonin. Stilbazium Iodide. Tetrachloroethylene.  
20 Tetramisole. Thiabendazole. Thymol. Thymyl N-Isoamylcarbamate.  
Triclofenol Piperazine and Urea Stibamine.  
**16) Anthelmintics (Onchocerca) such as** Ivermectin and Suramin  
Sodium.

**17) Anthelmintics (Schistosoma) such as Amoscanate.**

Amphotolide. Antimony Potassium Tartrate. Antimony Sodium  
Gluconate. Antimony Sodium Tartrate. Antimony Sodium  
Thioglycollate. Antimony Thioglycollamide. Becanthone. Hycanthone.  
5 Lucanthone Hydrochloride. Niridazole. Oxamniquine. Praziquantel.  
Stibocaptate. Stibophen and Urea Stibamine.

**18) Anthelmintics (Trematodes) such as Anthiolimine and  
Tetrachloroethylene.**

10 **19) Antiacne drugs such as Algestone Acetophenide. Azelaic  
Acid. Benzoyl Peroxide. Cyoctol. Cyproterone. Motretinide.  
Resorcinol. Retinoic Acid and Tetroquinone.**

**20) Antiallergics such as Amlexanox. Astemizole. Azelastine.  
Cromolyn. Fenpiprane. Histamine. Ibudilast. Nedocromil. Oxatomide.  
Pentigetide. Poison Ivy Extract. Poison Oak Extract. Poison Sumac  
15 Extract. Repirinast. Tranilast. Traxanox and Urushiol.**

**21) Antiamebics such as Arsthinol. Bialamicol. Carbarsone.  
Cephaeline. Chlorbetamide. Chloroquine. Chlorphenoxamide.  
Chlortetracycline. Dehydroemetine. Dibromopropamidine. Diloxanide.  
Diphetarsone. Emetine. Fumagillin. Glaucarubin. Glycobiarsol. 8-  
20 Hydroxy-7-iodo-5-quinolinesulfonic Acid. Iodochlorhydroxyquin.  
Iodoquinol. Paromomycin. Phanquinone. Phenarsone Sulfoxylate.  
Polybenzarsol. Propamidine. Quinfamide. Secnidazole. Sulfarside.  
Teclozan. Tetracycline. Thiocarbamizine. Thiocarbarsone and**

Tinidazole.

**22) Antiandrogens such as** Bifluranol. Cyoctol. Cyproterone.  
Delmadinone Acetate. Flutamide. Nilutamide and Oxendolone.

**23) Antianginals such as** Acebutolol. Alprenolol. Amiodarone.  
5 Amlodipine. Arotinolol. Atenolol. Bepridil. Bevantolol. Bucumolol.  
Bufetolol. Bufuralol. Bunitrolol. Bupranolol. Carozolol. Carteolol.  
Carvedilol Celiprolol. Cinepazet Maleate. Diltiazem. Epanolol.  
Felodipine. Gallopamil. Imolamine. Indenolol. Isosorbide Dinitrate.  
Isradipine. Limaprost. Mepindolol. Metoprolol. Molsidomine. Nadolol.  
10 Nicardipine. Nifedipine. Nifenalol. Nilvadipine. Nipradilol. Nisoldipine.  
Nitroglycerin. Oxprenolol. Oxyfedrine. Ozagrel. Penbutolol.  
Pentaerythritol Tetranitrate. Pindolol. Pronethalol. Propranolol.  
Sotalol. Terodiline. Timolol. Toliprolol and Verapamil.

**24) Antiarrhythmics such as** Acebutolol. Acecainide Adenosine.  
15 Ajmaline. Alprenolol. Amiodarone. Amoproxan. Aprindine. Arotinolol.  
Atenolol. Bevantolol. Bretylium Tosylate. Bucumolol. Bufetolol.  
Bunaftine. Bunitrolol. Bupranolol. Butidine Hydrochloride.  
Butobendine. Capobenic Acid. Carazolol. Carteolol. Cifenline.  
Cloranolol. Disopyramide. Encainide. Esmolol. Flecainide.  
20 Gallopamil. Hydroquinidine. Indecainide. Indenolol. Ipratropium  
Bromide. Lidocaine. Lorajmine. Lorcainide. Meobentine.  
Metipranolol. Mexiletine. Moricizine. Nadoxolol. Nifenalol. Oxprenolol.  
Penbutolol. Pindolol. Pirmenol. Practolol. Prajmaline. Procainamide

Hydrochloride. Pronethalol. Propafenone. Propranolol. Pyrinoline.  
Quinidine Sulfate. Quinidine. Sotalol. Talinolol. Timolol. Tocainide.  
Verapamil. Viquidil and Xibenolol.

**25) Antiartherosclerotics such as Pyridinol Carbamate.**

5 **26) Antiarthritic/Antirheumatics such as Allocupreide Sodium.**  
Auranofin. Aurothioglucose. Aurothioglycanide. Azathioprine.  
Calcium 3-Aurothio-2-propanol-1-sulfonate. Chloroquine. Clobazart.  
Cuproxoline. Diacerein. Glucosamine. Gold Sodium Thiomalate.  
Gold Sodium Thiosulfate. Hydroxychloroquine. Kebuzone.  
10 Lobenzarit. Melittin. Methotrexate. Myoral and Penicillamine.

**27) Antibacterial (antibiotic) drugs, including:**

*Aminoglycosides such as* Amikacin. Apramycin. Arbekacin.  
Bambermycins. Butirosin. Dibekacin. Dihydrostreptomycin.  
Fortimicin(s). Gentamicin. Isepamicin. Kanamycin. Micronomicin.  
15 *Neomycin. Neomycin Undecylenate. Netilmicin. Paromomycin.*  
*Ribostamycin. Sisomicin. Spectinomycin. Streptomycin.*  
*Streptonicozid and Tobramycin;*  
*Amphenicols such as* Azidamfenicol. Chloramphenicol.  
Chloramphenicol Palmitate. Chloramphenicol Pantothenate.  
20 *Florfenicol and Thiamphenicol;*  
*Ansamycins such as* Rifamide. Rifampin. Rifamycin and Rifaximin.  
 **$\beta$ -Lactams including:**  
*Carbapenems such as* Imipenem;

- Cephalosporins such as* Cefaclor. Cefadroxil. Cefamandole.  
Cefatrizine. Cefazedone. Cefazolin. Cefixime. Cefmenoxime.  
Cefodizime. Cefonicid. Cefoperazone. Ceforanide. Cefotaxime.  
Cefotiam. Cefpimizole. Cefpiramide. Cefpodoxime Proxetil.  
5 Cefroxadine. Cefsulodin. Ceftazidime. Cefteram. Ceftezole.  
Ceftibuten. Ceftizoxime. Ceftriaxone. Cefuroxime. Cefuzonam.  
Cephacetrile Sodium. Cephalixin. Cephaloglycin. Cephaloridle.  
Cephalosporin. Cephalothin. Cephapirin Sodium. Cephradine and  
Pivcefalexin;  
10 *Cephameycins such as* Cefbuperazone. Cefmetazole. Cefminox.  
Cefotetan and Cefoxitin;  
*Monobactams such as* Aztreonam. Carumonam and Tigemonam;  
*Oxacephems such as* Flomoxef and Moxolactam;  
*Penicillins such as* Amidinocillin. Amdinocillin Pivoxil. Amoxicillin.  
15 Ampicillin. Apalcillin. Aspoxicillin. Azidocillin. Azlocillin. Bacampicillin.  
Benzylpenicillinic Acid. Benzylpenicillin Sodium. Carbenicillin.  
Carfecillin Sodium. Carindacillin. Clometocillin. Cloxacillin. Cyclacillin.  
Dicloxacillin. Diphenicillin Sodium. Epicillin. Fenbenicillin. Floxacillin.  
Hetacillin. Lenampicillin. Metampicillin. Methicillin Sodium.  
20 Mezlocillin. Nafcillin Sodium. Oxacillin. Penamecillin. Penethamate  
Hydriodide. Penicillin G Benethamine. Penicillin G Benzathine.  
Penicillin G Benzhydrylamine. Penicillin G Calcium. Penicillin G  
Hydrabamine. Penicillin G Potassium. Penicillin G Procaine.

- Penicillin N. Penicillin O. Penicillin V. Penicillin V Benzathine.  
Penicillin V Hydrabamine. Penimepicycline. Phenethicillin Potassium.  
Piperacillin. Pivampicillin. Propicillin. Quinacillin. Sulbenicillin.  
Talampicillin. Temocillin and Ticarcillin;
- 5     *Lincosamides such as* Clindamycin and Lincomycin;  
*Macrolides such as* Azithromycin. Carbomycin. Clarithromycin.  
Erythromycin. Erythromycin Acistrate. Erythromycin Estolate.  
Erythromycin Glucoheptonate. Erythromycin Lactobionate.  
Erythromycin Propionate. Erythromycin Stearate. Josamycin.
- 10    Leucomycins. Midecamycins. Miokamycin. Oleandomycin. Primycin.  
Rokitamycin. Rosaramicin. Roxithromycin. Spiramycin and  
Troleandomycin;  
*Polypeptides such as* Amphomycin. Bacitracin. Capreomycin.  
Colistin. Enduracidin. Enviomycin. Fusafungine. Gramicidin(s).
- 15    Gramicidin S. Mikamycin. Polymyxin. Polymyxin B-Methanesulfonic  
Acid. Pristinamycin. Ristocetin. Teicoplanin. Thiostrepton.  
Tuberactinomycin. Tyrocidine. Tyrothricin. Vancomycin. Viomycin.  
Viomycin Pantothenate. Virginiamycin and Zinc Bacitracin;  
*Tetracyclines such as* Apicycline. Chlortetracycline. Clomocycline.
- 20    Demeclocycline. Doxycycline. Guamecycline. Lymecycline.  
Meclocycline. Methacycline. Minocycline. Oxytetracycline.  
Penimepicycline. Pipacycline. Rolitetracycline. Sancycline. Senociclin  
and Tetracycline; and

*other antibiotics such as Cycloserine, Mupirocin and Tuberin.*

**28) Antibacterial drugs (synthetic), including:**

*2,4-Diaminopyrimidines such as Brodimoprim, Tetroxoprim and Trimethoprim;*

5 *Nitrofurans such as Furaltadone, Furazolium Chloride, Nifuradene, Nifuratel, Nifurfoline, Nifurpirinol, Nifurprazine, Nifurtinol and Nitrofurantoin;*

*Quinolones and Analogs such as Amifloxacin, Cinoxacin, Ciprofloxacin, Difloxacin, Enoxacin, Fleroxacin, Flumequine,*  
10 *Lomefloxacin, Miloxacin, Nalidixic Acid, Norfloxacin, Ofloxacin, Oxolinic Acid, Pefloxacin, Pipemidic Acid, Piromidic Acid, Rosoxacin, Temafloxacin and Tosufloxacin;*

*Sulfonamides such as Acetyl Sulfamethoxypyrazine, Acetyl Sulfisoxazole, Azosulfamide, Benzylsulfamide, Chloramine-B,*  
15 *Chloramine-T, Dichloramine T, Formosulfathiazole, N<sup>2</sup>Formylsulfisomidine, N<sup>2</sup>-β-D-Glucosylsulfanilamide, Mafenide, 4'-(Methylsulfamoyl) sulfanilamide, p-Nitrosulfathiazole,*

*Noprylsulfamide, Phthalylsulfacetamide, Phthalylsulfathiazole, Salazosulfadimidine, Succinylsulfathiazole, Sulfabenzamide,*  
20 *Sulfacetamide, Sulfachlorpyridazine, Sulfachrysoidine, Sulfacytine, Sulfadiazine, Sulfadicramide, Sulfadimethoxine, Sulfadoxine, Sulfathiazole, Sulfaguanidine, Sulfaguanol, Sulfalene, Sulfaloxic Acid, Sulfamerazine, Sulfameter, Sulfamethazine, Sulfamethizole,*

- Sulfamethomidine. Sulfamethoxazole. Sulfamethoxypyridazine.  
Sulfametrole. Sulfamidochrysoidine. Sulfamoxole. Sulfanilamide.  
Sulfanilamidomethanesulfonic Acid Triethanolamine Salt. 4-  
Sulfanilamidosalicylic Acid. N<sup>4</sup>-Sulfanilylsulfanilamide. Sulfanillylurea.  
5 N-Sulfanilyl-3,4-xylamide. Sulfanitran. Sulfaperine. Sulfaphenazole.  
Sulfaproxyline. Sulfapyrazine. Sulfapyridine. Sulfasomizole.  
Sulfasymazine. Sulfathiazole. Sulfathiourea. Sulfatolamide.  
Sulfisomidine and Sulfisoxazole;  
*Sulfones such as* Acedapsone. Acediasulfone. Acetosulfone Sodium.  
10 Dapsone. Diathymosulfone. Glucosulfone Sodium. Solasulfone.  
Succisulfone. Sulfanilic Acid. p-Sulfanilylbenzylamine. p,p'-  
Sulfonyldianiline-N,N'digalactoside. Sulfoxone Sodium and  
Thiazolsulfone; and  
*others such as* Clofoctol. Hexedine. Methenamine. Methenamine  
15 Anhydromethylene-citrate. Methenamine Hippurate. Methenamine  
Mandelate. Methenamine Sulfosalicylate. Nitroxoline and Xibornol.  
**29) - Anticholinergics such as** Adiphenine Hydrochloride. Alverine.  
Ambutonium Bromide. Aminopentamide. Amixetrine.  
Amprotropine Phosphate. Anisotropine Methylbromide. Apotatropine.  
20 Atropine. Atropine N-Oxide. Benactyzine. Benapryzine. Benzetimide.  
Benzilonium Bromide. Benztropine Mesylate. Bevonium Methyl  
Sulfate. Biperiden. Butropium Bromide. N-Butylscopolammonium  
Bromide. Buzepide. Camylofine. Caramiphen Hydrochloride.



Chlorbenzoxamine. Chlorphenoxamine. Cimetropium Bromide.  
Clidinium Bromide. Cyclodrine. Cyclonium Iodide. Cycrimine  
Hydrochloride. Deptropine. Dexetimide. Dibutoline Sulfate.  
Dicyclomine Hydrochloride. Diethazine. Difemerine. Dihexyverine.  
5 Diphemanil Methylsulfate. N-(1,2-Diphenylethyl)nicotinamide.  
Dipiproverine. Diponium Bromide. Emepronium Bromide.  
Endobenzylamine Bromide. Ethopropazine. Ethybenztropine.  
Ethylbenzhydramine. Etomidoline. Eucatropine. Fenpiverinium  
Bromide. Fentionium Bromide. Flutropium Bromide. Glycopyrrolate.  
10 Heteronium Bromide. Hexocyclium Methyl Sulfate. Homatropine.  
Hyoscyamine. Ipratropium Bromide. Isopropamide. Levomepate.  
Meclozamine. Mepenzolate Bromide. Metcaraphen. Methantheline  
Bromide. Methixene. Methscopolamine Bromide. Octamylamine.  
Oxybutynin Chloride. Oxyphencyclimine. Oxyphenonium Bromide.  
15 Pentapiperide. Penthienate Bromide. Phencarbamide.  
Phenglutarimide. Pipenzolate Bromide. Piperidolate. Piperilate.  
Poldine Methylsulfate. Pridinol. Prifinium Bromide. Procyclidine.  
Propantheline Bromide. Propenzolate. Propyromazine. Scopolamine.  
Scopolamine N-Oxide. Stilonium Iodide. Stramonium. Sultroponium.  
20 Thihexinol. Thiphenamil. Tiemonium Iodide. Timepidium Bromide.  
Tiquizium Bromide. Tridihexethyl Iodide. Trihexyphenidyl  
Hydrochloride. Tropacine. Tropenzile. Tropicamide. Trospium  
Chloride. Valethamate Bromide and Xenytropium Bromide.

**30) Anticonvulsants such as Acetylpheneturide. Albutoin.**

Aloxidone. Aminogluthethimide. 4-Amino-3-hydroxybutyric Acid.

Atrolactamide. Beclamide. Buramate. Calcium Bromide.

Carbamazepine. Cinromide. Clomethiazole. Clonazepam.

5 Decimemide. Diethadione. Dimethadione. Doxenitoin. Eterobarb.

Ethadione. Ethosuximide. Ethotoin. Fluoresone. 5-

Hydroxytryptophan. Lamotrigine. Magnesium Bromide. Magnesium

Sulfate. Mephenytoin. Mephobarbital. Metharbital. Methetoin.

Methsuximide. 5-Methyl-5-(3-phenanthryl)hydantoin. 3-Methyl-5-

10 phenylhydantoin. Narcobarbital. Nimetazepam. Nitrazepam.

Paramethadione. Phenacemide. Phenetharbital. Phsneturide.

Phenobarbital. Phenobarbital Sodium. Phensuximide.

Phenylmethylbarbituric Acid. Phenytoin. Phethenylate Sodium.

Potassium Bromide. Primidone. Progabide. Sodium Bromide.

15 Solanum. Strontium Bromide. Suclofenide. Sulthiame. Tetrantoin.

Trimethadione. Valproic Acid. Valpromide. Vigabatrin and

Zonisamide.

**31) Antidepressants, including:**

*Bicyclics such as* Binedaline. Caroxazone. Citalopram. Dimethazan.

20 Indalpine. Fencamine. Indeloxazine Hydrochloride. Nefopam.

Nomifensine. Oxitriptan. Oxypertine. Paroxetine. Sertraline.

Thiazesim. Trazodone and Zometapine;

*Hydrazides/Hydrazines such as* Benmoxine. Iproclozide. Iproniazid.

Isocarboxazid. Nialamide. Octamoxin and Phenelzine;

*Pyrrolidones such as* Cotinine. Rolicyprine and Rolipram;

*Tetracyclics such as* Maprotiline. Metralindole. Mianserin and Oxaprotiline;

5 *Tricyclics such as* Adinazolam. Amitriptyline. Amitriptylinoxide.

Amoxapine. Butriptyline. Clomipramine. Demexiptiline. Desipramine.

Dibenzepin. Dimetacrine. Dothiepin. Doxepin. Fluacizine.

Imipramine. Imipramine N-Oxide. Iprindole. Lofepramine. Melitracen.

Metapramine. Nortriptyline. Noxiptilin. Opipramol. Pizotiline.

10 Propizepine. Protriptyline. Quinupramine. Tianeptine and Trimipramine; and

*others such as* Adrafinil. Benactyzine. Bupropion. Butacetin. Deanol.

Deanol Aceglumate. Deanol Acetamidobenzoate. Dioxadrol.

Etoferidone. Febarbamate. Femoxetine. Fenpentadiol. Fluoxetine.

15 Fluvoxamine. Hematoporphyrin. Hypercinin. Levophacetoperane.

Medifoxamine. Minaprine. Moclobemide. Oxaflorane. Piberaline.

Prolintane. Pyrisuccideanol. Rubidium Chloride. Sulpiride. Sultopride.

Teniloxazine. Thozalinone. Tofenacin. Toloxatone. Tranlycypromine.

L-Tryptophan. Viloxazine and Zimeldine.

20 **32) Antidiabetics, including:**

*Biguanides such as* Buformin. Metformin and Phenformin;

*Hormones such as* Glucagon. Insulin. Insulin Injection. Insulin Zinc

Suspension. Isophane Insulin Suspension. Protamine Zinc Insulin

Suspension and Zinc Insulin Crystals;

*Sulfonylurea derivatives such as Acetohexamide. 1-Butyl-3-metanilylurea. Carbutamide. Chlorpropamide. Glibornuride.*

Gliclazide. Glipizide. Gliquidone. Glisoxepid. Glyburide.

5 Glybuthiazol(e). Glybuzole. Glyhexamide. Glymidine. Glypinamide. Phenbutamide. Tolazamide. Tolbutamide and Tolcyclamide; and *others such as Acarbose. Calcium Mesoxalate and Miglitol.*

**33) Antidiarrheal drugs such as Acetyltannic Acid. Albumin Tannate. Alkofanone. Aluminum Salicylates-Basic. Catechin.**

10 Difenoxin. Diphenoxylate. Lidamidine. Loperamide. Mebiquine. Trillium and Uzarin.

**34) Antidiuretics such as Desmopressin. Felypressin. Lypressin. Omipressin. Oxycinchophen. Pituitary-Posterior. Terlipressin and Vasopressin.**

15 **35) Antiestrogens such as Delmadinone Acetate.**  
Ethamoxytriphetol. Tamoxifen and Toremifene.

**36) Antifungal drugs (antibiotics), including:**

*Polyenes such as Amphotericin-B. Candicidin. Dermostatin. Filipin. Fungichromin. Hachimycin. Hamycin. Lucensomycin. Mepartricin.*

20 Natamycin. Nystatin. Pecilocin and Perimycin; and

*others such as Azaserine. Griseofulvin. Oligomycins. Neomycin Undecylenate. Pyrrolnitrin. Siccanin. Tubercidin and Viridin.*

**37) Antifungal drugs (synthetic), including:**

*Allylamines such as Naftifine and Terbinafine;*

*Imidazoles such as Bifonazole. Butoconazole. Chlordantoin.*

*Chlormidazole. Cloconazole. Clotrimazole. Econazole. Enilconazole.*

*Fenticonazole. Isoconazole. Ketoconazole. Miconazole.*

5 *Omoconazole. Oxiconazole Nitrate. Sulconazole and Tioconazole;*

*Triazoles such as Fluconazole. Itraconazole and Terconazole; and*

*others such as Acrisorcin. Amorolfine. Biphenamine.*

*Bromosalicylchloranilide. Buclosamide. Calcium Propionate.*

*Chlorphenesin. Ciclopirox. Cloxyquin. Coparaffinate. Diamthazole*

10 *Dihydrochloride. Exalamide. Flucytosine. Halethazole. Hexetidine.*

*Loflucarban. Nifuratel. Potassium Iodide. Propionic Acid. Pyrithione.*

*Salicylanilide. Sodium Propionate. Sulbentine. Tenonitroazole.*

*Tolciclate. Tolindate. Tolnaftate. Triacetin. Ujothion. Undecylenic  
Acid and Zinc Propionate.*

15 **38) Antiglaucoma drugs such as Acetazolamide. Befunolol.**

**Betaxolol. Bupranolol. Carteolol. Dapiprazole. Dichlorphenamide.**

**Dipivefrin. Epinephrine. Levobunolol. Methazolamide. Metipranolol.**

**Pilocarpine. Pindolol and Timolol.**

**39) Antigonadotropins such as Danazol. Gestrinone and**

20 **Paroxypropione.**

**40) Antigout drugs such as Allopurinol. Carprofen. Colchicine.**

**Probenecid and Sulfipyrazone.**

**41) Antihistamines, including:**

*Alkylamine derivatives such as* Acrivastine. Bamipine.

Brompheniramine. Chlorpheniramine. Dimethindene. Metron S.  
Pheniramine. Pyrrobutamine. Thenaldine. Tolpropamine and  
Triprolidine;

5     *Aminoalkyl ethers such as* Bietanautine. Bromodiphenhydramine.  
Carbinoxamine. Clemastine. Diphenylpyraline. Doxylamine.  
Embramine. Medrylamine. Mephenhydramine. p-  
Methyldiphenhydramine. Orphenadrine. Phenyltoloxamine.  
Piprinhydrinate and Setasine;

10    *Ethylenediamine derivatives such as* Alloclamide. p-  
Bromtripelennamine. Chloropyramine. Chlorothén. Histapyrrodine.  
Methafurylene. Methaphenilene. Methapyrilene. Phenbenzamine.  
Pyrilamine. Talastine. Thenyldiamine. Thonzylamine Hydrochloride.  
Tripelennamine and Zolamine;

15    *Piperazines such as* Cetirizine. Chlorcyclizine. Cinnarizine.  
Clocinazine and Hydroxyzine;

*Tricyclics, including:*

*Phenothiazines such as* Ahistan. Etymemazine. Hydroxyzine. N-  
Hydroxyethylpromethazine Chloride. Isopromethazine. Mequitazine.  
20    Promethazine. Pyrathiazine and Thiazinamium Methyl Sulfate; and  
*others such as* Azatadine. Clobenzepam. Cyproheptadine.  
Deptropine. Isothipendyl. Loratadine and Prothipendyl; and  
*other antihistamines such as* Antazoline. Astemizole. Azelastine.

Cetoxime. Clemizole. Clobenzotropine. Diphenazoline.

Diphenhydramine. Mebhydroline. Phenindamine. Terfenadine and  
Trisoqualine.

**42) Antihyperlipoproteinemics, including:**

5     *Aryloxyalkanoic acid derivatives such as* Beclobrate. Bezafibrate.

Binifibrate. Ciprofibrate. Clinofibrate. Clofibrate. Clofibric Acid.

Etofibrate. Fenofibrate. Gemfibrozil. Nicofibrate. Pirifibrate.

Ronifibrate. Simfibrate and Theofibrate;

10     *Bile acid sequesterants such as* Cholestyramine Resin. Colestipol  
and Polidexide;

*HMG CoA reductase inhibitors such as* Lovastatin. Pravastatin  
Sodium and Simvastatin;

*Nicotinic acid derivatives* Aluminum Nicotinate. Acipimox. Niceritrol.  
Nicoclonate. Nicomol and Oxiniac Acid;

15     *Thyroid hormones and analogs such as* Etiroxate. Thyropropic Acid  
and Thyroxine; and

*others such as* Acifran. Azacosterol. Benfluorex.  $\beta$ -

Benzalbutyramide. Carnitine. Chondroitin Sulfate. Clomestron.

20     Detaxtran. Dextran Sulfate Sodium. 5,8,11,14,17-Eicosapentaenoic  
Acid. Eritadenine. Furazabol. Meglutol. Melinamide. Mytatrienediol.

Ornithine.  $\gamma$ -Oryzanol. Pantethine. Pentaerythritol Tetraacetate.  $\alpha$ -  
Phenylbutyramide. Pirozadil. Probucol.  $\alpha$ -Sitosterol. Sultosilic Acid.

Piperazine Salt. Tiadenol. Triparanol and Xenbucin.

**43) Antihypertensive drugs, including:**

*Arylethanolamine derivatives such as Amosulalol. Bufuralol.*

Dilevalol. Labetalol. Pronethalol. Sotalol and Sulfinalol;

*Aryloxypropanolamine derivatives such as Acebutolol. Alprenolol.*

5 Arotinolol. Atenolol. Betaxolol. Bevantolol. Bisoprolol. Bopindolol.

Bunitrolol. Bupranolol. Butofilolol. Carazolol. Carteolol. Carvedilol.

Celiprolol. Cetamolol. Epanolol. Indenolol. Mepindolol. Metipranolol.

Metoprolol. Moprolol. Nadolol. Nipradilol. Oxprenolol. Penbutolol.

Pindolol. Propranolol. Talinolol. Tertatolol. Timolol and Toliprolol;

10 *Benzothiadiazine derivatives such as Althiazide.*

Bendroflumethiazide. Benzthiazide. Benzylhydrochlorothiazide.

Buthiazide. Chlorothiazide. Chlorthalidone. Cyclopenthiazide.

Cyclothiazide. Diazoxide. Epithiazide. Ethiazide. Fenquizone.

Hydrochlorothiazide. Hydroflumethiazide. Methyclothiazide.

15 Meticrane. Metolazone. Paraflutizide. Polythiazide.

Tetrachlormethiazide and Trichlormethiazide;

*N-Carboxyalkyl (petide/lactam) derivatives such as Alacepril.*

Captopril. Cilazapril. Delapril. Enalapril. Enalaprilat. Fosinopril.

Lisinopril. Moveltipril. Perindopril. Quinapril and Ramipril;

20 *Dihydropyridine derivatives such as Amlodipine. Felodipine.*

Isradipine. Nicardipine. Nifedipine. Nilvadipine. Nisoldipine and

Nitrendipine;

*Guanidine derivatives such as Bethanidine. Debrisoquin.*



- Guanabenz. Guanacline. Guanadrel. Guanazodine. Guanethidine.  
Guanfacine. Guanochlor. Guanoxabenz and Guanoxan;  
*Hydrazines and phthalazines such as* Budralazine. Cadralazine.  
Dihydralazine. Endralazine. Hydracarbazine. Hydralazine.
- 5      Pheniprazine. Pildralazine and Todralazine;  
*Imidazole derivatives such as* Clonidine. Lofexidine. Phentolamine.  
Tiamenidine and Tolonidine;  
*Quaternary ammonium compounds* Azamethonium Bromide.  
Chlorisondamine Chloride. Hexamethonium. Pentacynium Bis(methyl  
10      sulfate). Pentamethonium Bromide. Pentolinium Tartate.  
Phenactopinium Chloride and Trimethidinium Methosulfate;  
*Quinazoline derivatives such as* Alfuzosin. Bunazosin Doxazosin.  
Prazosin. Terazosin and Trimazosin;  
*Reserpine derivatives such as* Bietaserpine. Deserpidine.
- 15      Rescinnamine. Reserpine and Syrosingopine;  
*Sulfonamide derivatives such as* Ambuside. Clopamide. Furosemide.  
Indapamide. Quinethazone. Tripamide and Xipamide; and  
*others such as* Ajmaline.  $\gamma$ -Aminobutyric Acid. Bufeniode.  
Chlorthalidone. Cicletanine. Ciclosidomine. Cryptenamine Tannates.
- 20      Fenoldopam. Flosequinan. Indoramin. Ketanserin. Mebutamate.  
Mecamylamine. Methyldopa. Methyl 4-Pyridyl Ketone  
Thiosemicarbarzone. Metolazone. Minoxidil. Muzolimine. Pargyline.  
Pempidine. Pinacidil. Piperoxan. Primaperone. Protoveratrines.

Raubasine. Rescimetol. Rilmenidene. Saralasin. Sodium Nitroprusside. Ticrynafen. Trimethaphan Camsylate. Tyrosinase and Urapidil.

5      **44) Antihyperthyroids such as** 2-Amino-4-methylthiazole. 2-Aminothiazole. Carbimazole. 3,5-Dibromo-L-tyrosine. 3,5-Diiodotyrosine. Hinderin. Iodine. Iothiouracil. Methimazole. Methylthiouracil. Propylthiouracil. Sodium Perchlorate. Thibenzazoline. Thiobarbital and 2-Thiouracil.

10      **45) Antihypotensive drugs such as** Amezinium Methyl Sulfate. Angiotensin Amide. Dimetofrine. Dopamine. Etifelmin. Etilefrin. Gepefrine. Metaraminol. Midodrine. Norepinephrine. Pholedrine and Synephrine.

**46) Antihypothyroid drugs such as** Levothyroxine Sodium. Liothyronine. Thyroid. Thyroidin. Thyroxine. Tiratricol and TSH.

15      **47) Anti-Inflammatory (non-steroidal) drugs, including:**  
*Aminoarylcarboxylic acid derivatives such as* Enfenamic Acid. Etofenamate. Flufenamic Acid. Isonixin. Meclofenamic Acid.

Mefenamic Acid. Niflumic Acid. Talniflumate. Terofenamate and Tolfenamic Acid;

20      *Arylacetic acid derivatives such as* Acemetacin. Alclofenac. Amfenac. Bufexamac. Cinmetacin. Clopirac. Diclofenac Sodium. Etodolac. Felbinac. Fenclofenac. Fenclorac. Fenclozic Acid. Fentiazac. Glucametacin. Ibufenac. Indomethacin. Isofezolac. Isoxepac.

Lonazolac. Metiazinic Acid. Oxametacine. Proglumetacin. Sulindac.  
Tiaramide. Tolmetin and Zomepirac;

*Arylbutyric acid derivatives such as Bumadizon. Butibufen. Fenbufen  
and Xenbucin;*

5     *Arylcarboxylic acid such as Clidanac. Ketorolac and Tinoridine;*

*Arylpropionic acid derivatives such as Alminoprofen. Benoxaprofen.  
Bucloxic Acid. Carprofen. Fenoprofen. Flunoxaprofen. Flurbiprofen.*

*Ibuprofen. Ibuproxam. Indoprofen. Ketoprofen. Loxoprofen.*

*Miroprofen. Naproxen. Oxaprozin. Piketoprofen. Pirprofen.*

10     *Pranoprofen. Protizinic Acid. Suprofen and Tiaprofenic Acid;*

*Pyrazoles such as Difenamizole and Epirizole;*

*Pyrazolones such as Apazone. Benzpiperylon. Feprazone.*

*Mofebutazone. Morazone. Oxyphenbutazone. Phenylbutazone.*

*Pipebuzone. Propyphenazone. Ramifenazone. Suxibuzone and*

15     *Thiazolinobutazone;*

*Salicylic acid derivatives such as Acetaminosalol. Aspirin.*

*Benorylate. Bromosaligenin. Calcium Acetylsalicylate. Diflunisal.*

*Etersalate. Fendosal. Gentisic Acid. Glycol Salicylate. Imidazole*

*Salicylate. Lysine Acetylsalicylate. Mesalamine. Morpholine*

20     *Salicylate. 1-Naphthyl Salicylate. Olsalazine. Parsalimide. Phenyl  
Acetylsalicylate. Phenyl Salicylate. Salacetamide. Salicylamine O-*

*Acetic Acid. Salicylsulfuric Acid. Salsalate and Sulfasalazine;*

*Thiazinecarboxamides such as Droxicam. Isoxicam. Piroxicam and*

Tenoxicam; and

*others such as*  $\epsilon$ -Acetamidocaproic Acid. S-Adenosylmethionine. 3-Amino-4-hydroxybutyric Acid. Amixetrine. Bendazac. Benzydamine. Bucolome. Difenpiramide. Ditazol. Emorfazone. Guaiazulene.

5 Nabumetone. Nimesulide. Orgotein. Oxaceprol. Paranyline. Perisoxal. Pifoxime. Proquazone. Proxazole and Tenidap.

**48) Antimalarial drugs such as** Acedapsone. Amodiaquin.

Arteether. Artemether. Artemisinin. Artesunate. Bebeerine.

Berberine. Chirata. Chlorguanide. Chloroquine. Chlorproguanil.

10 Cinchona. Cinchonidine. Cinchonine. Cycloguanil. Gentiopicrocin. Halofantrine. Hydroxychloroquine. Mefloquine Hydrochloride. 3-Methylarsacetin. Pamaquine. Plasmocid. Primaquine.

Pyrimethamine. Quinacrine. Quinine. Quinine Bisulfate. Quinine Carbonate. Quinine Dihydrobromide. Quinine Dihydrochloride.

15 Quinine Ethylcarbonate. Quinine Formate. Quinine Gluconate. Quinine Hydriodide. Quinine Hydrochloride. Quinine Salicylate. Quinine Sulfate. Quinine Tannate. Quinine Urea Hydrochloride. Quinocide. Quinoline and Sodium Arsenate Dibasic.

**49) Antimigraine drugs such as** Alpiropride. Dihydroergotamine.

20 Ergocornine. Ergocorninine. Ergocryptine. Ergot. Ergotamine.

Flumetoxone acetate. Fonazine. Lisuride. Methysergid(e).

Oxetorone. Pizotyline and Sumatriptan.

**50) Antinauseant drugs such as** Acetylleucine

Monoethanolamine. Alizapride. Benzquinamide. Bietanautine.  
Bromopride. Buclizine. Chlorpromazine. Clebopride. Cyclizine.  
Dimenhydrinate. Diphenidol. Domperidone. Granisetron. Meclizine.  
Methallatal. Metoclopramide. Metopimazine. Nabilone. Ondansetron.  
5 Oxypendyl. Pipamazine. Piprinhydrate. Prochlorperazine.  
Scopolamine. Tetrahydrocannabinols. Thiethylperazine.  
Thiopropazine and Trimethobenzamide.

**51) Antineoplastic drugs, including:**

*Alkylating agents, including:*

- 10 *Alkyl sulfonates such as* Busulfan. Improsulfan and Pipsulfan;  
*Aziridines such as* Benzodepa. Carboquone. Meturedpa and  
Uredpa;  
*Ethylenimines and methylmelamines such as* Altretamine.  
Triethylenemelamine. Triethylenephosphoramidate.  
15 Triethylenethiophosphoramidate and Trimethylolmelamine;  
*Nitrogen mustards such as* Chlorambucil. Chlornaphazine.  
Cyclophosphamide. Estramustine. Ifosfamide. Mechlorethamine.  
Mechlorethamine Oxide Hydrochloride. Melphalan. Novembichin.  
Phenesterine. Prednimustine. Trofosfamide and Uracil Mustard;  
20 *Nitrosoureas such as* Carmustine. Chlorozotocin. Fotemustine.  
Lomustine. Nimustine and Ranimustine; and  
*others such as* Dacarbazine. Mannomustine. Mitobronitol. Mitolactol  
and Pipobroman;

*Antibiotics such as Aclacinomycins. Actinomycin F<sub>1</sub>. Anthramycin.*

*Azaserine. Bleomycins. Cactinomycin. Carubicin. Carzinophilin.*

*Chromomycins. Dactinomycin. Daunorubicin. 6-Diazo-5-oxo-L-norleucine. Doxorubicin. Epirubicin. Mitomycins. Mycophenolic Acid.*

5 *Nogalamycin. Olivomycins. Peplomycin. Plicamycin. Porfiromycin.*

*Puromycin. Streptonigrin. Streptozocin. Tubercidin. Ubenimex.*

*Zinostatin and Zorubicin;*

*Antimetabolites, including:*

10 *Folic acid analogs such as Denopterin. Methotrexate. Pteropterin and Trimetrexate;*

*Purine analogs such as Fludarabine. 6-Mercaptopurine. Thiamiprine and Thioguanine; and*

*Pyrimidine analogs such as Ancitabine. Azacitidine. 6-Azauridine. Carmofur. Cytarabine. Doxifluridine. Enocitabine. Floxuridine.*

15 *Fluorouracil and Tegafur;*

*Enzymes such as L-Asparaginase; and*

*others such as Aceglatone. Amsacrine. Bestrabucil. Eisantrone.*

*Carboplatin. Cisplatin. Defosfamide. Demecolcine. Diaziquone.*

*Eflornithine. Elliptinium Acetate. Etoglucid. Etoposide. Gallium*

20 *Nitrate. Hydroxyurea. Interferon- $\alpha$ . Interferon- $\beta$ . Interferon- $\gamma$ .*

*Interleukin-2. Lentinan. Lonidamine. Mitoguazone. Mitoxantrone.*

*Mopidamol. Nitracrine. Pentostatin. Phenamet. Pirarubicin.*

*Podophyllinic Acid. 2-Ethylhydrazide. Procarbazine. PSK®.*

Razoxane. Sizofiran. Spirogermanium. Taxol. Teniposide.

Tenuazonic Acid. Triaziquone. 2,2',2"-Trichlorotriethylamine.

Urethan. Vinblastine. Vincristine and Vindesine.

**52) Antineoplastic (hormonal) drugs, including:**

5 *Androgens such as* Calusterone. Dromostanolone Propionate.

Epitiostanol. Mepitiostane and Testolactone;

*Antiadrenals such as* Aminoglutethimide. Mitotane and Trilostane;

*Antiandrogens such as* Flutamide and Nilutamide; and

*Antiestrogens such as* Tamoxifen and Toremifene.

10 **53) Antineoplastic adjuncts including folic acid replenishers  
such as** Folinic Acid.

**54) Antiparkinsonian drugs such as** Amantadine. Benserazide.

Bietanautine. Biperiden. Bromocriptine. Budipine. Carbidopa.

Deprenyl. Dexetimide. Diethazine. Droxidopa. Ethopropazine.

15 Ethylbenzhydramine. Levodopa. Naxagolide. Pergolide. Piroheptine.

Pridinol. Prodipine. Terguride Tigloidine and Trihexyphenidyl

Hydrochloride.

**55) Antipheochromocytoma drugs such as** Metyrosine.

Phenoxybenzamine and Phentolamine.

20 **56) Antipneumocystis drugs such as** Eflornithine. Pentamidine  
and Sulfamethoxazole.

**57) Antiprostatic hypertrophy drugs such as** Gestonorone

Caproate. Mepartricin. Oxendolone and Proscar®.

- 58) **Antiprotozoal drugs (Leshmania) such as** Antimony Sodium Gluconate. Ethylstibamine. Hydroxystilbamidine. N-Methylglucamine. Pentamidine. Stilbamidine and Urea Stibamine.
- 59) **Antiprotozoal drugs (Trichomonas) such as** Acetarzone.  
5 Aminitroazole. Anisomycin. Azanidazole. Forminitrazole. Furazolidone. Hachimycin. Lauroguadine. Mepartricin. Metronidazole. Nifuratel. Nifuroxime. Nimorazole. Secnidazole. Silver Picrate. Tenonitroazole and Tinidazole.
- 60) **Antiprotozoal drugs (Trypanosma) such as** Benznidazole.  
10 Eflornithine. Melarsoprol. Nifurtimox. Oxophenarsine. Hydrochloride. Pentamidine. Propamidine. Puromycin. Quinapyramine. Stilbamidine. Suramin Sodium. Trypan Red and Tryparsamide.
- 61) **Antipuritics such as** Camphor. Cyproheptadine. Dichlorisone. Glycine. Halometasone. 3-Hydroxycamphor. Menthol. Mesulphen.  
15 Methdilazine. Phenol. Polidocanol. Risocaine. Spirit of Camphor. Thenaldine. Tolpropamine and Trimeprazine.
- 62) **Antipsoriatic drugs such as** Acitretin. Ammonium Salicylate. Anthralin. 6-Azauridine. Bergapten(e). Chrysarobin. Etretnate and Pyrogallol.
- 20 63) **Antipsychotic drugs, including:**  
*Butyrophenones such as* Benperidol. Bromperidol. Droperidol. Fluanisone. Haloperidol. Melperone. Moperone. Pipamperone. Spiperone. Timiperone and Trifluoperidol;



- Phenothiazines such as* Acetophenazine. Butaperazine.  
Carphenazine. Chlorproethazine. Chlorpromazine. Clospirazine.  
Cyamemazine. Dixyrazine. Fluphenazine. Imiclopazine. Mepazine.  
Mesoridazine. Methoxypromazine. Metofenazate. Oxaflumazine.  
5 Perazine. Pericyazine. Perimethazine. Perphenazine.  
Piperacetazine. Pipotiazine. Prochlorperazine. Promazine.  
Sulforidazine. Thiopropazate. Thioridazine. Trifluoperazine and  
Triflupromazine;  
*Thioxanthenes such as* Chlorprothixene. Clopenthixol. Flupentixol  
10 and Thiothixene;  
*other tricyclics such as* Benzquinamide. Carpipramine.  
Clocapramine. Clomacran. Clothiapine. Clozapine. Opipramol.  
Prothipendyl. Tetrabenazine and Zotepine; and  
*others such as* Alizapride. Amisulpride. Buramate. Fluspirilene.  
15 Molindone. Penfluridol. Pimozide. Spirilene and Sulpiride.  
**64) Antipyretics such as** Acetaminophen. Acetaminosalol.  
Acetanilide. Aconine. Aconite. Aconitine. Alclofenac. Aluminum  
Bis(acetylsalicylate). Aminochlorthenoxazin. Aminopyrine. Aspirin.  
Benorylate. Benzydamine. Berberine. p-Bromoacetanilide.  
20 Bufexamac. Bumadizon. Calcium Acetylsalicylate.  
Chlorthenoxazin(e). Choline Salicylate. Clidanac.  
Dihydroxyaluminum Acetylsalicylate. Dipyrrocetyl. Dipyrone. Epirizole.  
Etersalate. Imidazole Salicylate. Indomethacin. Isofezolac. p-

Lactophenetide. Lysine Acetylsalicylate. Magnesium Acetylsalicylate.  
Meclofenamic Acid. Morazone. Morpholine Salicylate. Naproxen.  
Nifenazone. 5'-Nitro-2'propoxyacetanilide. Propoxyacetanilide.  
Phenacetin. Phenicarbazide. Phenocoll. Phenopyrazone. Phenyl  
5 Acetylsalicylate. Phenyl Salicylate. Pipebuzone. Propacetamol.  
Propyphenazone. Ramifenazone. Salacetamide. Salicylamide O-  
Acetic Acid. Sodium Salicylate. Sulfamipyrine. Tetrandrine and  
Tinoridine.

65) **Antirickettsial drugs such as** p-Aminobenzoic Acid.  
10 Chloramphenicol. Chloramphenicol Palmitate. Chloramphenicol  
Pantothenate and Tetracycline.

66) **Antiseborrheic drugs such as** Chloroxine. 3-O-  
Lauroylpyridoxol Diacetate. Piroctone. Pyrithione. Resorcinol.  
Selenium Sulfides and Tioxolone.

15 67) **Antiseptics, including:**

*Guanidines such as* Alexidine. Ambazone. Chlorhexidine and  
Picloxydine;

*Halogens and halogen compounds such as* Bismuth Iodide Oxide.  
Bismuth Iodosubgallate. Bismuth Tribromophenate. Bornyl Chloride.  
20 Calcium Iodate. Chlorinated Lime. Cloflucarban. Fluorosalan. Iodic  
Acid. Iodine. Iodine Monochloride. Iodine Trichloride. Iodoform.  
Methenamine Tetraiodine. Oxychlorosene. Povidone-Iodine. Sodium  
Hypochlorite. Sodium Iodate. Symclosene. Thymol Iodide.

- Triclocarban. Triclosan and Troclosene Potassium;  
*Mercurial compounds such as* Hydrargaphen. Meralein Sodium.  
Merbromin. Mercuric Chloride. Mercuric Chloride Ammoniated.  
Mercuric Sodium p-Phenolsulfonate. Mercuric Succinimide. Mercuric  
5 Sulfide Red. Mercurophen. Mercurous Acetate. Mercurous Chloride.  
Mercurous Iodide. Nitromersol. Potassium Tetraiodomercurate(II).  
Potassium Triiodomercurate(II) Solution. Thimerfonate Sodium and  
Thimerosal;  
*Nitrofurans such as* Furazolidone. 2-(Methoxymethyl)-5-nitrofuran.  
10 Nidroxyzone. Nifuroxime. Nifurzide and Nitrofurazone;  
*Phenols such as* Acetomerocetol. Bithionol. Cadmium Salicylate.  
Carvacrol. Chloroxylenol. Clorophene. Creosote. Cresol(s). p-Cresol.  
Fenticlor. Hexachlorophene. 1-Naphthyl Salicylate. 2-Naphthyl  
Salicylate. 2,4,6-Tribromo-m-cresol and 3',4',5-Trichlorosalicylanilide;  
15 *Quinolines such as* Aminoquinuride. Benzoxiquine. Broxyquinoline.  
Chloroxine. Chlorquinaldol. Cloxyquin. Ethylhydrocupreine. Euprocine.  
Halquinol. Hydrastine. 8-Hydroxyquinoline. 8-Hydroxyquinoline Sulfate  
and Iodochlorhydroxyquin; and  
*others such as* Aluminum Acetate Solution. Aluminum Subacetate  
20 Solution. Aluminum Sulfate. 3-Amino-4-hydroxybutyric Acid. Boric  
Acid. Chlorhexidine. Chloroazodin. m-Cresyl Acetate. Cupric Sulfate.  
Dibromopropamidine. Ichthammol. Negatol®. Noxytiolin. Ornidazole.  
 $\beta$ -Propiolactone.  $\alpha$ -Terpineol.

- 5      **68) Antispasmodic drugs such as** Alibendol. Ambucetamide.  
Aminopromazine. Apoatropine. Bevonium Methyl Sulfate.  
Bietamiverine. Butaverine. Butropium Bromide. N-  
Butylscopolammonium Bromide. Caroverine. Cimetropium Bromide.  
Cinnamedrine. Clebopride. Coniine Hydrobromide. Coniine  
Hydrochloride. Cyclonium Iodide. Difemerine. Diisopromine.  
Dioxaphetyl Butyrate. Diponium Bromide. Drofenine. Emepromium  
Bromide. Ethaverine. Feclemine. Fenalamide. Fenoverine.  
Fenpiprane. Fenpiverinium Bromide. Fentionium Bromide. Flavoxate.  
10      Flopropione. Gluconic Acid. Guaiactamine. Hydramitrazine.  
Hymecromone. Leiopyrrole. Mebeverine. Moxaverine. Nafiverine.  
Octamylamine. Octaverine. Pentapiperide. Phenamacide  
Hydrochloride. Phloroglucinol. Pinaverium Bromide. Piperilate.  
Pipoxolan Hydrochloride. Pramiverin. Prifinium Bromide. Properidine.  
15      Propivane. Propyromazine. Prozapine. Racefemine. Rociverine.  
Spasmolytol. Stilonium Iodide. Sultroponium. Tiemonium Iodide.  
Tiquizium Bromide. Tiopramide. Trepibutone. Tricromyl. Trifolium.  
Trimebutine. N,N-1 Trimethyl-3,3-diphenyl-propylamine. Tropenzile.  
Trosium Chloride and Xenytropium Bromide.  
20      **69) Antithrombotic drugs such as** Anagrelide. Argatroban.  
Cilostazol. Daltroban. Defibrotide. Enoxaparin. Fraxiparine®.  
Indobufen. Lamoparan. Ozagrel. Picotamide. Plafibride. Tedelparin.  
Ticlopidine and Triflusal.

**70) Antitussive drugs such as Alloclamide. Amicibone.**

Benproperine. Benzonatate. Bibenzonium Bromide. Bromoform.

Butamirate. Butethamate. Caramiphen Ethanedisulfonate.

Carbetapentane. Chlophedianol. Clobutinol. Cloperastine. Codeine.

5 Codeine Methyl Bromide. Codeine N-Oxide. Codeine Phosphate.

Codeine Sulfate. Cyclexanone. Dextromethorphan. Dibunate

Sodium. Dihydrocodeine. Dihydrocodeinone Enol Acetate.

Dimemorfan. Dimethoxanate.  $\alpha,\alpha$ -Diphenyl-2-piperidinepropanol.

Dropropizine. Drotebanol. Eprazinone. Ethyl Dibunate.

10 Ethylmorphine. Fominoben. Guaiapate. Hydrocodone. Isoaminile.

Levopropoxyphene. Morclofone. Narceine. Normethadone.

Noscapine. Oxeladin. Oxolamine. Pholcodine. Picoperine.

Pipazethate. Piperidione. Prenoxdiazine Hydrochloride.

Racemethorphan. Taziprinone Hydrochloride. Titepidine and

15 Zipeprol.

**71) Antiulcerative drugs such as Aceglutamide Aluminum**

Complex.  $\epsilon$ -Acetamidocaproic Acid Zinc Salt. Acetoxolone.

Arbaprostil. Benexate Hydrochloride. Bismuth Subcitrate Sol (Dried).

Carbenoxolone. Cetraxate. Cimetidine. Enprostil. Esaprazole.

20 Famotidine. Ftaxilide. Gefarnate. Guaiazulene. Irsogladine.

Misoprostol. Nizatidine. Omeprazole. Ornoprostil.  $\gamma$ -Oryzanol.

Pifarnine. Pirenzepine. Plaunotol. Ranitidine. Rioprostil. Rosaprostol.

Rotraxate. Roxatidine Acetate. Sofalcone. Spizofurone. Sucralfate.

Teprenone. Trimoprostil. Trithiozine. Troxipide and Zolimidine.

**72) Antiuric drugs such as Acetohydroxamic Acid.**

Allopurinol. Potassium Citrate and Succinimide.

**73) Antivenin drugs such as Lyovac® Antivenin.**

5 **74) Antiviral drugs, including:**

*Purines and pyrimidinones such as Acyclovir. Cytarabine.*

Dideoxyadenosine. Dideoxycytidine. Dideoxyinosine. Edoxudine.

Floxuridine. Ganciclovir. Idoxuridine. Inosine Pranobex. MADU.

Trifluridine. Vidarabine and Zidovudine; and

10 *others such as Acetylleucine Monoethanolamine. Amantadine.*

Amidinomycin. Cuminaldehyde Thiosemicarbazone. Foscarnet

Sodium. Interferon- $\alpha$ . Interferon- $\beta$ . Interferon- $\gamma$ . Kethoxal. Lysozyme.

Methisazone. Moroxydine. Podophyllotoxin. Ribavirin. Rimantadine.

Stallimycin. Statolon. Tromantadine and Xenazoic Acid.

15 **75) Anxiolytic drugs, including:**

*Arylpiperazines such as Buspirone. Gepirone and Ipsapirone;*

*Benzodiazepine derivatives such as Alprazolam. Bromazepam.*

Camazepam. Chlordiazepoxide. Clobazam. Clorazepate.

Clotiazepam. Cloxazolam. Diazepam. Ethyl Loflazepate. Etizolam.

20 Fludiazepam. Flutazolam. Flutoprazepam. Halazepam. Ketazolam.

Lorazepam. Loxapine. Medazepam. Metaclazepam. Mexazolam.

Nordazepam. Oxazepam. Oxazolam. Pinazepam. Prazepam and

Tofisopam;

*Carbamates such as Cyclarbamate. Emylcamate.*

Hydroxyphenamate. Meprobamate. Phenprobamate and Tybamate;  
and

*others such as Alpidem. Benzoctamine. Captodiamine.*

5     Chlormezanone. Etifoxine. Fluoresone. Glutamic Acid. Hydroxyzine.  
Mecloralurea. Mephenoxalone. Oxanamide. Phenaglycodol.  
Suriclone.

**76) Benzodiazepine antagonists such as Flumazenil.**

**77) Bronchodilators, including:**

10     *Ephedrine derivatives such as* Albuterol. Bambuterol. Bitolterol.  
Carbuterol. Clenbuterol. Clorprenaline. Dioxethedrine. Ephedrine.  
Epinephrine. Eprozinol. Etafedrine. Ethylnorepinephrine. Fenoterol.  
Hexoprenaline. Isoetharine. Isoproterenol. Mabuterol.  
Metaproterenol. N-Methylephedrine. Pirbuterol. Procaterol.  
15     Protokylol. Reproterol. Rimiterol. Soterenol. Terbuterol and  
Tulobuterol;

*Quaternary ammonium compounds such as* Bevonium Methyl  
Sulfate. Flutropium Bromide. Ipratropium Bromide and Oxitropium  
Bromide;

20     *Xanthine derivatives such as* Acefylline. Acefylline Piperazine.  
Ambuphylline. Aminophylline. Bamifylline. Choline Theophyllinate.  
Doxofylline. Dyphylline. Enprofylline. Etamiphyllin. Etofylline.  
Guaithylline. Proxyphylline. Theobromine. 1-Theobromineacetic Acid

and Theophylline; and

*others such as* Fenspiride. Medibazine. Methoxyphenanime and Tretoquinol.

**78) Calcium channel blockers, including:**

5 *Arylalkylamines such as* Bepridil. Diltiazem. Fendiline. Gallopanil.

Prenylamine. Terodiline and Verapamil;

*Dihydropyridine derivatives such as* Felodipine. Isradipine.

Nicardipine. Nifedipine. Nilvadipine. Nimodipine. Nisoldipine and Nitrendipine;

10 *Piperazine derivatives such as* Cinnarizine. Flunarizine and

Lidoflazine; and

*others such as* Bencyclane. Etafenone and Perhexiline.

**79) Calcium regulators such as** Calcifediol. Calcitonin. Calcitriol.

Clodronic Acid. Dihydrotachysterol. Elcatonin. Etidronic Acid.

15 Ipriflavone. Pamidronic Acid. Parathyroid Hormone and Teriparatide Acetate.

**80) Cardiotonics such as** Acefylline. Acetyldigitoxins. 2-Amino-4-

picoline. Amrinone. Benfurodil Hemisuccinate. Bucladesine.

Cerberoside. Camphotamide. Convallatoxin. Cymarín. Denopamine.

20 Deslanoside. Digitalin. Digitalis. Digitoxin. Digoxin. Dobutamine.

Dopamine. Dopexamine. Enoximone. Erythrophleine. Fenalcomine.

Gitalin. Gitoxin. Glycocyamine. Heptaminol. Hydrastinine. Ibopamine.

Lanatosides. Metamivam. Milrinone. Neriifolin. Oleandrin. Ouabain.



Oxyfedrine. Prenalterol. Proscillaridin. Resibufogenin. Scillaren.  
Scillarenin. Strophanthin. Sulmazole. Theobromine and Xamoterol.

**81) Chelating agents such as** Deferoxamine. Ditiocarb Sodium.  
Edetate Calcium Disodium. Edetate Disodium. Edetate Sodium.

5     Edetate Trisodium. Penicillamine. Pentetate Calcium Trisodium.  
Pentetic Acid. Succimer and Trientine.

**82) Cholecystokinin antagonists such as** Proglumide.

**83) Cholelitholytic agents such as** Chenodiol. Methyl tert-Butyl  
Ether. Monooctanoin and Ursodiol.

10    **84) Choloretics such as** Alibendol. Anethole Trithion. Azintamide.  
Cholic Acid. Cicotoic Acid. Clanobutin. Cyclobutyrol. Cyclovalone.  
Cynarin(e). Dehydrocholic Acid. Deoxycholic Acid. Dimecrotic Acid.  
 $\alpha$ -Ethylbenzyl Alcohol. Exiproben. Feguprol. Fencibutirol. Fenipentol.  
Florantyrone. Hymecromone. Menbutone. 3-(o-Methoxyphenyl)-2-  
15    phenylacrylic Acid. Metochalcone. Moquizone. Osalmid. Ox Bile  
Extract. 4,4'-Oxydi-2-butanol. Piprozolin. Prozapine. 4-  
Salicyloylmorpholine. Sincalide. Taurocholic Acid. Timonacic.  
Tocamphyl. Trepibutone and Vanitiolide.

**85) Cholinergic agents such as** Aceclidine. Acetylcholine

20    Bromide. Acetylcholine Chloride. Aclatonium Napadisilate.  
Benzpyrinium Bromide. Bethanechol Chloride. Carbachol.  
Carpronium Chloride. Demecarium Bromide. Dexpanthenol.  
Diisopropyl Paraaxon. Echothiophate Iodide. Edrophonium Chloride.

Eseridine. Furtrethonium. Isoflurophate. Methacholine Chloride.  
Muscarine. Neostigmine. Oxapropanium Iodide. Physostigmine and  
Pyridostigmine Bromide.

**86) Cholinesterase inhibitors such as** Ambenonium Chloride.

5 Distigmine Bromide and Galanthamine.

**87) Cholinesterase reactivators such as** Obidoxime Chloride and  
Pralidoxime Chloride.

**88) Central nervous system stimulants and agents such as**

Amineptine. Amphetamine. Amphetaminil. Bemegride.  
10 Benzphetamine. Brucine. Caffeine. Chlorphentermine. Clofenciclan.  
Clortermine. Coca. Demanyl Phosphate. Dexoxadrol.

Dextroamphetamine Sulfate. Diethylpropion. N-Ethylamphetamine.  
Ethamivan. Etifelmin. Etryptamine. Fencamfamine. Fenethylamine.

Fenozolone. Flurothyl. Hexacyclonate Sodium. Homocamfin.  
15 Mazindol. Mefexamide. Methamphetamine. Methylphenidate.  
Nikethamide. Pemoline. Pentylenetetrazole. Phendimetrazine.  
Phenmetrazine. Phentermine. Picrotoxin. Pipradrol. Prolintane and  
Pyrovalerone.

**89) Decongestants such as** Amidephrine. Cafaminol.

20 Cyclopentamine. Ephedrine. Epinephrine. Fenoxazoline.  
Indanazoline. Metizoline. Naphazoline. Nordefrin Hydrochloride.  
Octodrine. Oxymetazoline. Phenylephrine Hydrochloride.  
Phenylpropanolamine Hydrochloride. Phenylpropylmethylamine.

Propylhexedrine. Pseudoephedrine. Tetrahydrozoline. Tymazoline and Xylometazoline.

**90) Dental caries prophylaxis such as Sodium Fluoride.**

**91) Depigmentors such as Hydroquinine. Hydroquinone and Monobenzene.**

**92) Diuretics, including:**

*Organomercurials such as Chlormerodrin. Meralluride.*

*Mercamphamide. Mercaptomerin Sodium. Mercumallylic Acid.*

*Mercumatilin Sodium. Mercurous Chloride and Mersalyl;*

*Pteridines such as Furterene and Triamterene;*

*Purines such as Acefylline. 7-Morpholinomethyltheophylline.*

*Pamabrom. Protheobromine and Theobromine;*

*Steroids such as Canrenone. Oleandrin and Spironolactone;*

*Sulfonamide derivatives such as Acetazolamide. Ambuside.*

*Azosemide. Bumetanide. Butazolamide. Chloraminophenamide.*

*Clofenamide. Clopamide. Clorexolone. Diphenylmethane-4,4'-disulfonamide. Disulfamide. Ethoxzolamide. Furosemide.*

*Indapamide. Mefruside. Methazolamide. Piretanide. Quinethazone.*

*Torasemide. Tripamide and Xipamide;*

*Uracils such as Aminometradine and Amisometradine;*

*others such as Amanozine. Amiloride. Arbutin. Chlorazasil.*

*Ethacrynic Acid. Etosolin. Hydracarbazine. Isosorbide. Mannitol.*

*Metochalcone. Muzolimine. Perhexiline. Ticrynafen and Urea.*

**93) Dopamine receptor agonists such as Bromocriptine.**

Dopexamine. Fenoldopam. Ibopamine. Lisuride. Naxagolide and Pergolide.

**94) Ectoparasitocides such as Amitraz. Benzyl Benzoate.**

5 Carbaryl. Crotamiton. DDT. Dixanthogen. Isobornyl Thiocynoacetate-Technical. Lime Sulfurated Solution. Lindane. Malathion. Mercuric Oleate. Mesulphen and Sulphur-Pharmaceutical.

**95) Enzymes, including:**

10 *Digestive enzymes such as  $\alpha$ -Amylase (Swine Pancreas). Lipase. Pancrelipase. Pepsin and Rennin;*  
*Mucolytic enzymes such as Lysozyme;*  
*Penicillin inactivating enzymes such as Penicillinase; and*  
*Proteolytic enzymes such as Collagenase. Chymopapain. Chymotrypsins. Papain and Trypsin.*

**15 96) Enzyme inducers (hepatic) such as Flumecinol.****97) Estrogens, including:**

*Nonsteroidal estrogens such as Benzestrol. Broparoestrol. Chlorotrianisene. Dienestrol. Diethylstilbestrol. Diethylstilbestrol Dipropionate. Dimestrol. Fosfestrol. Hexestrol. Methallenestril and*  
20 *Methestrol; and*  
*Steroidal estrogens such as Colpormon. Conjugated Estrogenic Hormones. Equilenin. Equilin. Estradiol. Estradiol Benzoate. Estradiol 17 $\beta$ -Cypionate. Estriol. Estrone. Ethinyl Estradiol. Mestranol.*

Moxestrol. Mytatrienediol. Quinestradiol and Quinestrol.

**98) Gastric secretion inhibitors such as Enterogastrone and Octreotide.**

**99) Glucocorticoids such as 21-Acetoxypregnenolone.**

5

Alclometasone. Algestone. Amcinonide. Beclomethasone.

Betamethasone. Budesonide. Chloroprednisone. Clobetasol.

Clobetasone. Clcortolone. Clprednol. Corticosterone. Cortisone.

Cortivazol. Deflazacort. Desonide. Desoximetasone.

Dexamethasone. Diflorasone. Diflucortolone. Difluprednate.

10

Enoxolone. Fluazacort. Flucloronide. Flumethasone. Flunisolid.

Fluocinolone Acetonide. Fluocinonide. Fluocortin Butyl.

Fluocortolone. Fluorometholone. Fluperolone Acetate. Fluprednidene

Acetate. Fluprednisolone. Flurandrenolide. Formocortal. Halcinonide.

Halometasone. Halopredone Acetate. Hydrocortamate.

15

Hydrocortisone. Hydrocortisone Acetate. Hydrocortisone Phosphate.

Hydrocortisone 21-Sodium Succinate. Hydrocortisone Tebutate.

Mazipredone. Medrysone. Meprednisone. Methylprednisolone.

Mometasone Furoate. Paramethasone. Prednicarbate. Prednisolone.

Prednisolone 21-Diethylaminoacetate. Prednisone Sodium

20

Phosphate. Prednisolone Sodium Succinate. Prednisolone Sodium

21-m-Sulfobenzoate. Prednisolone 21-Stearoylglycolate.

Prednisolone Tebutate. Prednisolone 21-Trimethylacetate.

Prednisone. Prednival. Prednylidene. Prednylidene 21-

Diethylaminoacetate. Tixocortal. Triamcinolone. Triamcinolone Acetonide. Triamcinolone Benetonide and Triamcinolone Hexacetonide.

**100) Gonad-Stimulating principles such as Buserelin.**

5 Clomiphene. Cyclofenil. Epimestrol. FSH. HCG and LH-RH.

**101) Gonadotropic hormones such as LH and PMSG.**

**102) Growth hormone inhibitors such as Octreotide and Somatostatin.**

**103) Growth hormone releasing factors such as Semorelin.**

10 **104) Growth stimulants such as Somatotropin.**

**105) Hemolytic agents such as Phenylhydrazine and Phenylhydrazine Hydrochloride.**

**106) Heparin antagonists such as Hexadimethrine Bromide and Protamines.**

15 **107) Hepatoprotectants such as S-Adenosylmethionine. Betaine.**

Catechin. Cititolone. Malotilate. Orazamide. Phosphorylcholine. Protoporphyrin IX. Silymarin-Group. Thiocetic Acid and Tiopronin.

**108) Immunomodulators such as Amiprilose. Bucillamine.**

Ditiocarb Sodium. Inosine Pranobex. Interferon- $\gamma$ . Interleukin-2.

20 Lentinan. Muroctasin. Platonin. Procodazole. Tetramisole.

Thymomodulin. Thymopentin and Ubenimex.

**109) Immunosuppressants such as Azathioprine. Cyclosporins and Mizoribine.**

**110) Ion exchange resins such as Carbacrylic Resins.**

Cholestyramine Resin. Colestipol. Polidexide. Resodex and Sodium Polystyrene Sulfonate.

**111) Lactation stimulating hormone such as Prolactin.**

5 **112) LH-RH agonists such as Buserelin. Goserelin. Leuprolide. Nafarelin and Triptorelin.**

**113) Lipotropic agents such as N-Acetylmethionine. Choline Chloride. Choline Dehydrocholate. Choline Dihydrogen Citrate. Inositol. Lecithin and Methionine.**

10 **114) Lupus erythematosus suppressants such as Bismuth Sodium Triglycollamate. Bismuth Subsalicylate. Chloroquine and Hydroxychloroquine.**

**115) Mineralcorticoids such as Aldosterone. Deoxycorticosterone. Deoxycorticosterone Acetate and Fludrocortisone.**

15 **116) Miotic drugs such as Carbachol. Physostigmine. Pilocarpine and Pilocarpus.**

**117) Monoamine oxidase inhibitors such as Deprenyl. Iproclozide. Iproniazid. Isocarboxazid. Moclobemide. Octamoxin. Pargyline. Phenelzine. Phenoxypropazine. Pivalylbenzhydrazine. Prodipine. Toloxatone and Tranylcypromine.**

20 **118) Mucolytic agents such as Acetylcysteine. Bromhexine. Carbocysteine. Domiodol. Letosteine. Lysozyme. Mecysteine Hydrochloride. Mesna. Sobrerol. Stepronin. Tiopronin and Tyloxapol.**

- 119) Muscle relaxants (skeletal) such as** Afloqualone. Alcuronium. Atracurium Besylate. Baclofen. Benzocetamine. Benzoquinonium Chloride. C-Calebassine. Carisoprodol. Chlormezanone. Chlorphenesin Carbamate. Chlorproethazine. Chlorzoxazone. Curare. Cyclobenzaprine. Dantrolene. Decamethonium Bromide. Diazepam. Eperisone. Fazadinium Bromide. Flumetramide. Gallamine Triethiodide. Hexacarbacholine Bromide. Hexafluorenum Bromide. Idrocilamide. Laudexium Methyl Sulfate. Leptodactylone. Memantine. Mephenesin. Mephenoxalone. Metaxalone. Methocarbamol. Metocurine Iodide. Nimetazepam. Orphenadrine. Pancuronium Bromide. Phenprobamate. Phenylramidol. Pipecurium Bromide. Promoxolane. Quinine Sulfate. Styramate. Succinylcholine Bromide. Succinylcholine Chloride. Succinylcholine Iodine. Suxethonium Bromide. Tetrazepam. Thiocolchicoside. Tizanidine. Tolperisone. Tubocurarine Chloride. Vecuronium Bromide and Zoxazolamine.
- 120) Narcotic antagonists such as** Amiphenazole. Cyclazocine. Levallorphan. Nadide. Nalmefene. Nalorphine. Nalorphine Dinicotinate. Naloxone and Naltrexone.
- 121) Neuroprotective agents such as** Dizocilpine.
- 122) Nootropic agents such as** Aceglutamide. Acetylcarnitine. Aniracetam. Bifemelane. Exifone. Fipexide. Idebenone. Indeloxazine



Hydrochloride. Nizofenone. Oxiracetam. Piracetam. Propentofylline.  
Pyritinol and Tacrine.

**123) Ophthalmic agents such as 15-ketoprostaglandins.**

**124) Ovarian hormone such as Relaxin.**

5 **125) Oxytocic drugs such as Carboprost. Cargutocin.**

Deaminooxytocin. Ergonovine. Gemeprost. Methylergonovine.

Oxytocin. Pituitary (Posterior). Prostaglandin E<sub>2</sub>. Prostaglandin F<sub>2α</sub>  
and Sparteine.

**126) Pepsin inhibitors such as Sodium Amylosulfate.**

10 **127) Peristaltic stimulants such as Cisapride.**

**128) Progestogens such as Allylestrenol. Anagestone.**

Chlormadinone Acetate. Delmadinone Acetate. Demegestone.

Desogestrel. Dimethisterone. Dydrogesterone. Ethisterone.

Ethinodiol. Flurogestone Acetate. Gestodene. Gestonorone

15 Caproate. Haloprogesterone. 17-Hydroxy-16-methylene-

progesterone. 17α-Hydroxyprogesterone. 17α-Hydroxyprogesterone

Caproate. Lynestrenol. Medrogestone. Medroxyprogesterone.

Megestrol Acetate. Melengestrol. Norethindrone. Norethynodrel.

Norgesterone. Norgestimate. Norgestrel. Norgestrienone.

20 Norvinisterone. Pentagestrone. Progesterone. Promegestone.

Quingestron and Trengestone.

**129) Prolactin inhibitors such as Metergoline.**

**130) Prostaglandins and prostaglandin analogs such as**

Arbaprostil. Carboprost. Enprostil. Gemeprost. Limaprost.

Misoprostol. Ornoprostil. Prostacyclin. Prostaglandin E<sub>1</sub>.

Prostaglandin E<sub>2</sub>. Prostaglandin F<sub>2</sub>α. Rioprostil. Rosaprostol.

5 Sulprostone and Trimoprostil.

**131) Protease inhibitors such as** Aprotinin. Camostat. Gabexate  
and Nafamostat.

**132) Respiratory stimulants such as** Almitrine. Bemegride. Carbon  
Dioxide. Cropropamide. Crotethamide. Dimeflin. Dimorpholamine.

10 Doxapram. Ethamivam. Fominoben. Lobeline. Mepixanox.

Metamivam. Nikethamide. Picrotoxin. Pimeclone. Pyridofylline.

Sodium Succinate and Tacrine.

**133) Sclerosing agents such as** Ethanolamine. Ethylamine. 2-

Hexyldecanoic Acid. Polidocanol. Quinine Bisulfate. Quinine Urea

15 Hydrochloride. Sodium Ricinoleate. Sodium Tetradecyl Sulfate and  
Tribenoside.

---

**134) Sedatives and hypnotics, including:**

*Acyclic ureides such as* Acecarbromal. Apronalide. Bomisovalum.

Capuride. Carbromal and Ectylurea;

20 *Alcohols such as* Chlorhexadol. Ethchlorvynol. Meparfynol. 4-Methyl-

5-thiazoleethanol. tert-Pentyl Alcohol and 2,2,2-Trichloroethanol;

*Amides such as* Butoctamide. Diethylbromoacetamide. Ibrotamide.  
Isovaleryl Diethylamide. Niaprazine. Tricetamide. Trimetozine.  
Zolpidem and Zopiclone;

*Barbituric acid derivatives such as* Allobarbital. Amobarbital.

5     Aprobarbital. Barbital. Brallobarbital. Butabarbitol Sodium. Butalbital.  
Butallylonal. Butethal. Carbubarb. Cyclobarbitol. Cyclopentobarbitol.  
Enallylpopymal. 5-Ehtyl-5-(1-piperidyl) barbituric Acid. 5-Furfuryl-5-  
isopropylbarbituric Acid. Heptabarbitol. Hexethal Sodium.  
Hexobarbitol. Mephobarbitol. Methitural. Narcobarbitol. Nealbarbitol.  
10    Pentobarbitol Sodium. Phenallymal. Phenobarbitol. Phenobarbitol  
Sodium. Phenylmethylbarbituric Acid. Probarbitol. Propallylonal.  
Proxibarbal. Reposal. Secobarbitol Sodium. Talbutal. Tetrabarbitol.  
Vinbarbitol Sodium and Vinylbital;

*Benzodiazepine derivatives such as* Brotizolam. Doxefazepam.

15    Estazolam. Flunitrazepam. Flurazepam. Haloxazolam. Loprazolam.  
Lormetazepam. Nitrazepam. Quazepam. Temazepam and  
Triazolam;

*Bromides such as* Ammonium Bromide. Calcium Bromide. Calcium  
Bromolactobionate. Lithium Bromide. Magnesium Bromide.

20    Potassium Bromide and Sodium Bromide;

*Carbamates such as* Amyl Carbamate-Tertiary. Ethinamate.

Hexapropymate. Meparfynol Carbamate. Novonal and  
Trichlorourethan;

Pentifylline. Pentoxifylline. Piribedil. Prostaglandin E<sub>1</sub>. Suloctidil and Xanthinol Niacinate.

**141) Vasoprotectants such as Benzarone. Bioflavonoids.**

Chromocarb. Clobenoside. Diosmin. Dobesilate Calcium. Escin.

5 Folescutol. Leucocyanidin. Metescufylline. Quercetin. Rutin and Troxerutin.

**142) Vitamins, vitamin sources and vitamin extracts such as**

Vitamins A, B, C, D, E and K and derivatives thereof. Calciferols.

Glycyrrhiza and Mecobalamin.

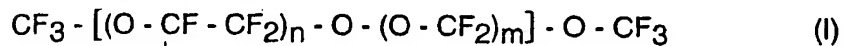
10 **143) Vulnerary agents such as Acetylcysteine. Allantoin.**

Asiaticoside. Cadexomer Iodine. Chitin. Dextranomer and Oxaceprol.

9. Use according to claims 5 or 6, characterized by the fact that the transabsorption of the drugs is increased up to above 5 times their normal value.

15

10. Compounds belonging to the Perfluoropolyester class of formula I

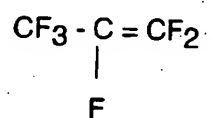


20

with n and m > 18 and < 46 and with molecular weights between ~600 and ~8000.

11. Compounds according to claim 10 with n and m > 24 and < 36 and with molecular weights between 1000 and 4000.

12. Compounds according to claim 10, obtained by polymerization of  
5 hexafluoropropene



10 with UV activated oxygen.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 00/00167

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 A61K47/30 C08G65/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K C08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 304 334 A (LAHANAS KONSTANTINOS M ET AL) 19 April 1994 (1994-04-19) column 2, line 25 - line 63 column 5, line 28 - line 47 example 1	1-6,9-12
Y	US 5 376 359 A (JOHNSON KEITH A) 27 December 1994 (1994-12-27) column 4, line 1 - line 51	1-6,9-12
Y	EP 0 390 206 A (AUSIMONT SRL) 3 October 1990 (1990-10-03) page 6, line 50 -page 7, line 30 example 43	1-6,9-12
	--- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

22 May 2000

Date of mailing of the international search report

05 June 2000

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Villa Riva, A

## INTERNATIONAL SEARCH REPORT

Intern al Application No

PCT/IB 00/00167

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 018, no. 630 (P-1835), 30 November 1994 (1994-11-30) & JP 06 242922 A (LA BELL KUREASHIYON:KK), 2 September 1994 (1994-09-02) abstract	1-6,9-12
Y	CORTI P ET AL: "Near Infrared Reflectance Spectroscopy in the Study of Atopy. Part 3. Interactions between the Skin and Fomblins" ANALYST, vol. 123, 1998, pages 2313-2317, XP000886906 abstract page 2313, left-hand column, line 41 - line 45 page 2313, right-hand column, line 12 - line 31 page 2317; paragraph "Conclusions"	1-6,9-12
Y	BONINA F ET AL: "Three phase emulsions for controlled delivery in the cosmetic field" INT J COSMETIC SCI, vol. 14, 1992, pages 65-74, XP000886883 abstract figures 1-3	1-6,9-12
Y	EP 0 723 775 A (OREAL) 31 July 1996 (1996-07-31) abstract page 3, line 8 - line 12	1-6,9-12

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB 00/00167

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos.: 7,8  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.



## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 7,8

Present claims 7-8 relate to an extremely large number of possible active ingredients or classes of ingredients for the compositions as to claim 1. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the active ingredients the use of which is claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for claims 1-6, 9-12 only.

However, the search has been incomplete also for said claims 1-6, 9-12 for the following reason: for the independent claims 1,5,10 a lack of clarity within the meaning of Article 6 PCT arises to such an extent as to render a meaningful search of the claims impossible, because there appears to be an inconsistency between the formula in said claims and in the description and the CAS registry number quoted in the description, p.3. The latter registry number, 69991-69-7, appears to relate to known polyfluoropolyethers (present trade names galden and fomblin), which do not contain any peroxy function, which seems to be present in the formula in claims 1,5,10. Moreover, in claim 10 the wording relates to perfluoropolyESTERS, whereas the rest of the application documents appear to relate to perfluoropolyETHERS.

Consequently, the search has been carried out only for compounds defined by the registry number quoted on p.3 of the description, their compositions and uses as claimed.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 00/00167

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5304334 A	19-04-1994	AT 188381 T	15-01-2000
		DE 69327527 D	10-02-2000
		EP 0637962 A	15-02-1995
		JP 2873253 B	24-03-1999
		JP 7506529 T	20-07-1995
		WO 9321930 A	11-11-1993
US 5376359 A	27-12-1994	GB 2268507 A	12-01-1994
EP 0390206 A	03-10-1990	IT 1229222 B	26-07-1991
		AT 143033 T	15-10-1996
		AU 624491 B	11-06-1992
		AU 5247390 A	04-10-1990
		BR 9201052 A	28-09-1993
		CA 2013669 A	02-10-1991
		DE 69028564 D	24-10-1996
		DE 69028564 T	30-01-1997
		ES 2094126 T	16-01-1997
		JP 2880239 B	05-04-1999
		JP 3095262 A	19-04-1991
		KR 146054 B	17-08-1998
		US 5562911 A	08-10-1996
		US 5183589 A	02-02-1993
		US 5330681 A	19-07-1994
		ZA 9002443 A	30-01-1991
JP 06242922 A	02-09-1994	NONE	
EP 0723775 A	31-07-1996	FR 2729854 A	02-08-1996
		DE 69600115 D	22-01-1998
		DE 69600115 T	02-04-1998
		ES 2113219 T	16-04-1998
		JP 8231342 A	10-09-1996
		JP 2000001415 A	07-01-2000
		US 5989568 A	23-11-1999
		US 5900242 A	04-05-1999